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Meet the Java EE 7 Specification Leads

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Program Agenda

- Introduction of Java EE 7 spec leads

- Questions from you

- Questions to you
  - NOTE: approximately 40 attendees for BOF

- Feedback from you

- …

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New JSRs

These are Candidates for Inclusion in Java EE 7

- Web Socket 1.0
- JSON–P 1.0
- Batch 1.0
- JCache 1.0

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New JSRs

	Add to Java EE Full Platform?			Add to Web Profile?		
	Yes	No	Not Sure	Yes	No	Not Sure
WebSocket 1.0	20	0	3	25		
JSON-P 1.0	12	0	8	20		8
Batch 1.0	15	2	4		15	
JCache 1.0	20	0	8	10	4	8

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CDI

How Important Is CDI to You?

- Essential ? 20
- Very Important ? 4
- Important ? 3
- So – so ? 0
- Not Important ? 0

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Managed Bean Alignment

Java EE / CDI Managed Beans

- Transactional interceptors

- Expanded CDI enablement

- Injection

- CDI stereotypes

- Interceptors

- Timers

Expert Group discussion thread available at:

http://java.net/projects/javaee-spec/lists/jsr342-experts/archive/2012-03/message/74

CDI Enablement

Should we enable CDI more broadly?

- Currently, CDI must be enabled on a per-archive basis with beans.xml
- Should we enable CDI <u>by default</u> in Java EE?

Yes   No   Not Sure

25   4   6

CDI Injection

- Should new Java EE technologies invent their own annotations for injection, or just use CDI?

```
@JobListener @Named("MyJobListener")
public class MyJobListenerImpl {
  @BatchContext JobContext jctxt;
}
```

Always @Inject? 50/50

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Proposed Expansion of Use of CDI Stereotypes

Example: creating annotations as combinations of existing ones

```
@Secure
@RolesAllowed("Administrator")
@Stereotype
@Target({TYPE, METHOD}) @Retention(RUNTIME)
public @interface Admin {
}

@Stateless
@Stereotype @Target({TYPE}) @Retention(RUNTIME)
@Admin
public @interface AdminBean {
}

@AdminBean
public class AdminEJB {
 ...
}
```

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Stereotypes

Should we expand the use of Stereotypes?

Yes   No   Not Sure

8   0   3

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Use of Interceptors

- CDI interceptors and Java EE interceptors are currently supported on
  - CDI managed beans, @ManagedBean beans, Session Beans, MDBs

- Should we support interceptors on:
  - All JavaEE components (e.g., JAX-RS Resource classes , Servlets , …) ?
    - YES: 12
  - Other Java EE managed classes?

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Use of Interceptors

- CDI interceptors and Java EE interceptors are currently supported on
  - CDI managed beans, @ManagedBean beans, Session Beans, MDBs

- Should we support interceptors on:
  - All JavaEE components (e.g., JAX-RS Resource classes , Servlets , …) ?
  - Other Java EE managed classes?

- Is there any place that CDI injection is supported that should <u>not</u> support interceptors?

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Use of Observer Methods

- CDI observer methods are currently supported on
  - CDI managed beans, Session beans, @ManagedBean beans
- Should we support observer methods on:
  - All JavaEE components (e.g., JAX-RS Resource classes , Servlets , …) ?
  - Other Java EE managed classes?
- Should we support observer methods wherever CDI injection is supported?

Use of Timers

- EJB Timers are currently supported on
  - Stateless Session Beans, Singleton Session Beans, MDBs
- Should we support timers on:
  - CDI managed beans?
  - Other Java EE components (MDBs, Servlets, JAX-RS Resource classes, . . .) ?
  - Other Java EE managed classes?
- Should we support timers wherever observer methods are supported ?

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