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June 11-14, 2013
Boston, MA



Building Applications with CDI

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06.12.13

Building Applications with CDI

- Context and Dependency Injection
 - Introduced to Java EE 6 through JSR 299
- What does it do?
 - Automatic creation and destruction of managed beans
 - Inject beans into other beans in a type-safe manner
 - Loose Coupling:
 - Produce and consume events
 - Decorators and Interceptors
 - Integrates with Expression Language (EL)

Building Applications with CDI

- How does it work?
 - Annotations
 - Scopes:
 - Application, Session, Request, and Conversation
 - Pseudo-scope: Singleton
 - Injection site: `@Inject`
 - Qualifiers: defined by developer, e.g. `@MyQualifier`
 - Producer fields and methods: `@Produces`
 - EL Integration: `@Named`
 - Switch it on with a file named `beans.xml`

Building Applications with CDI

- Demo: Mood Checker
 - JBoss Developer Studio 5
 - JBoss Enterprise Application Platform 6
 - Project Type: CDI Web Application
 - Features:
 - Scopes
 - Injection with Qualifiers
 - Expression Language Integration