



Hibernate 4 : A First Look

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Overview

- Services
- New metamodel
- Consolidated Session creation options
- Multi-tenancy support
- Packaging changes
- Getting Started Instantly: 5 minute evaluation attention span (hello world tutorials, examples, etc)
- Keyed/i18n logging

Services

- Consumable, extendable and overridable set of services
- Lifecycle
- Dependencies
- <http://sourceforge.net/apps/mediawiki/hibernate/index>.
- Stable

```
ServiceSetup serviceSetup = new ServiceSetup()  
    .addInitiator( new MyCustomServiceInitiator() )  
    .addService( new MySpecialConnectionProviderService() );  
ServiceRegistry serviceRegistry = serviceSetup.buildServiceRegistry();
```

Metamodel

- Change in semantics
 - All "sources" known up front
 - Information such as Dialect known up front
- Better encapsulation of models and binding
- More directed API
- Still in development, proposed API:

```
MetadataSources metadataSources = new MetadataSources( serviceRegistry )
    .addResource( "some.hbm.xml" )
    .addAnnotatedClass( SomeEntity.class );
Metadata metadata = metadataSources.buildMetadata();
// use/alter metadata if needed
SessionFactory sessionFactory = metadata.buildSessionFactory();
```

Session Creation

- Previous API was cluttered
- Builder style
 - available from `SessionFactory`

```
sessionFactory.withOptions()  
    .interceptor( someInterceptor )  
    ...  
    .openSession();
```

- available from `Session`

```
session.sessionWithOptions()  
    .interceptor() // use same interceptor as session  
    ...  
    .openSession();
```

Multi-tenancy

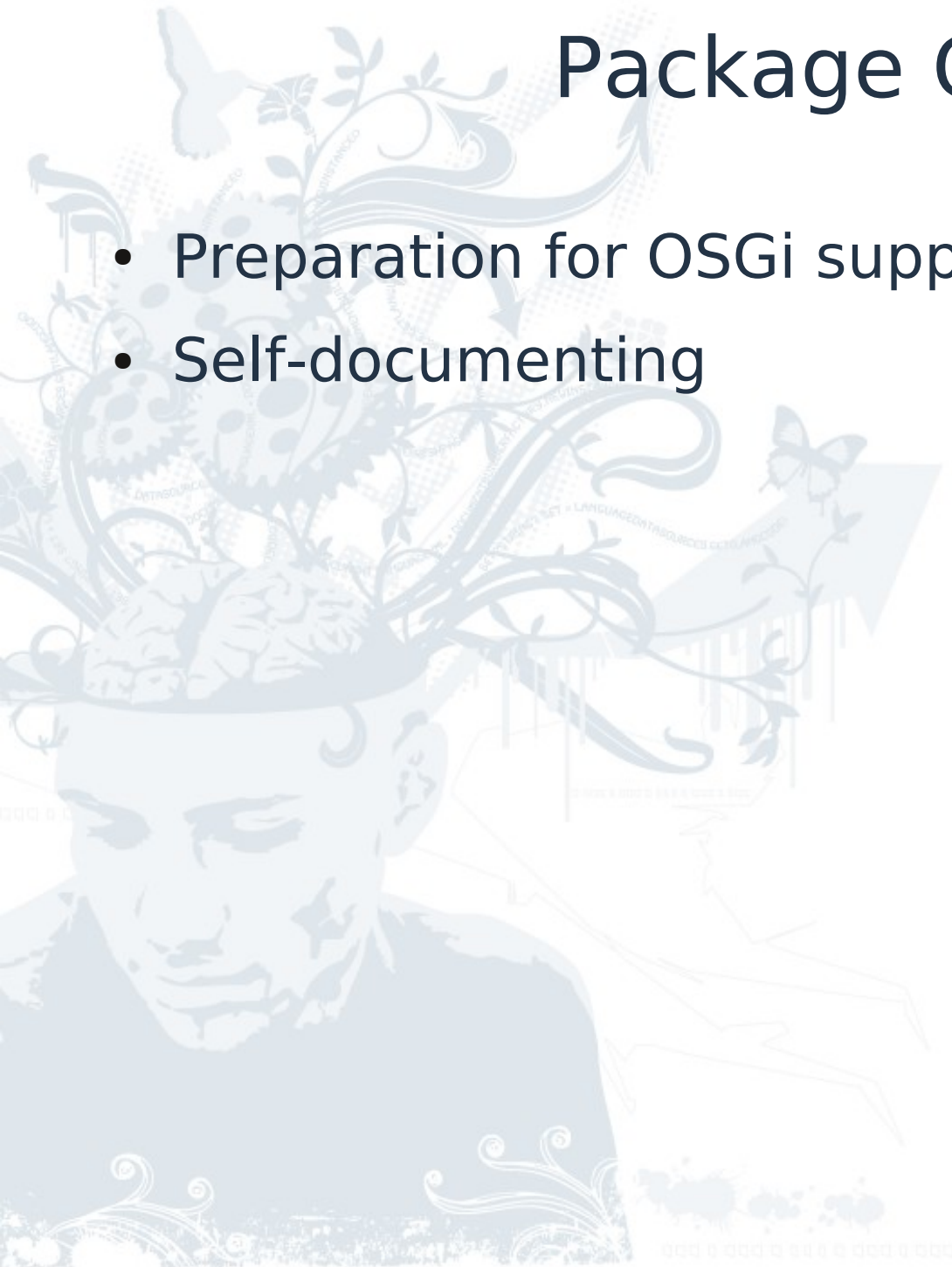
- Subject of a previous webinar, <http://community.jboss.org/docs/DOC-16502>
- Different data sets, same application deployment
- Support for separate schema implemented
- Support for separate database implemented
- Support for discrimination planned

Logging

- Yes, YALF
- Keyed
- i18n
- <http://community.jboss.org/docs/DOC-16738>

Package Changes

- Preparation for OSGi support
- Self-documenting



Additional Information

- <http://community.jboss.org/wiki/Hibernate4Webinar>
- <http://community.jboss.org/wiki/HibernateCoreMigration>
- <https://lists.jboss.org/mailman/listinfo/hibernate-dev>
- <http://www.hibernate.org/community/irc>