

JBoss Tools & Developer Studio

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That guy

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Formerly developer and project lead for large health care software system development

Hibernate Team member since 2002

Joined JBoss 2004 as Core developer and Consultant

Hibernate Core and Seam Contributor

JBoss Tools & Developer Studio Lead

Agenda

Why do we do tools ?

The Highlights / Demo

JBoss Tools

The “Playground”

Developer Studio

The supported solution

What's Next

Why JBoss Tools ?

Most IDE's has basic support for JBoss

but normally very crude

Easy access to our projects and products

Eat our own dog food

Thus:

We provide tooling for JBoss an related functionality

Our Tools Philosophy

Don't create a straightjacket

but warn if we detect danger

Be Flexible

Don't put lipstick on a pig

If the runtime can't do it, don't hide it in layers of tooling

Be Transparent

Don't make it hard

Out-of-box setup should be easy for common use cases

The highlights...

Seam

Seam Wizards

Hot deploy automatically
setup

Validation of Seam
constructs

EL understanding in java,
pages.xml, etc.

Components.xml editor

JSF Visual Editing

Supports JSF, Facelets, HTML, DocBook etc.

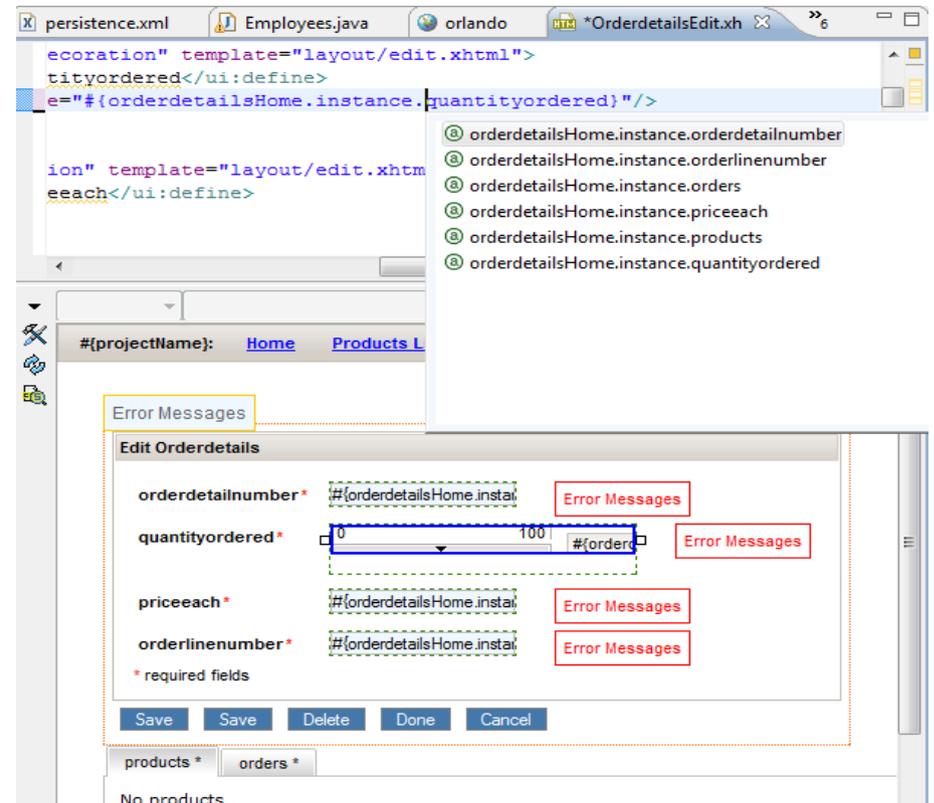
Includes and CSS stylings are honored

Rendering by a real browser engine (Mozilla)

EL expression completion incl. Seam components

OpenOn (F3) on expressions

Find EL references (Ctrl+Shift+G)



Hibernate

Supports both hbm.xml and JPA Annotations

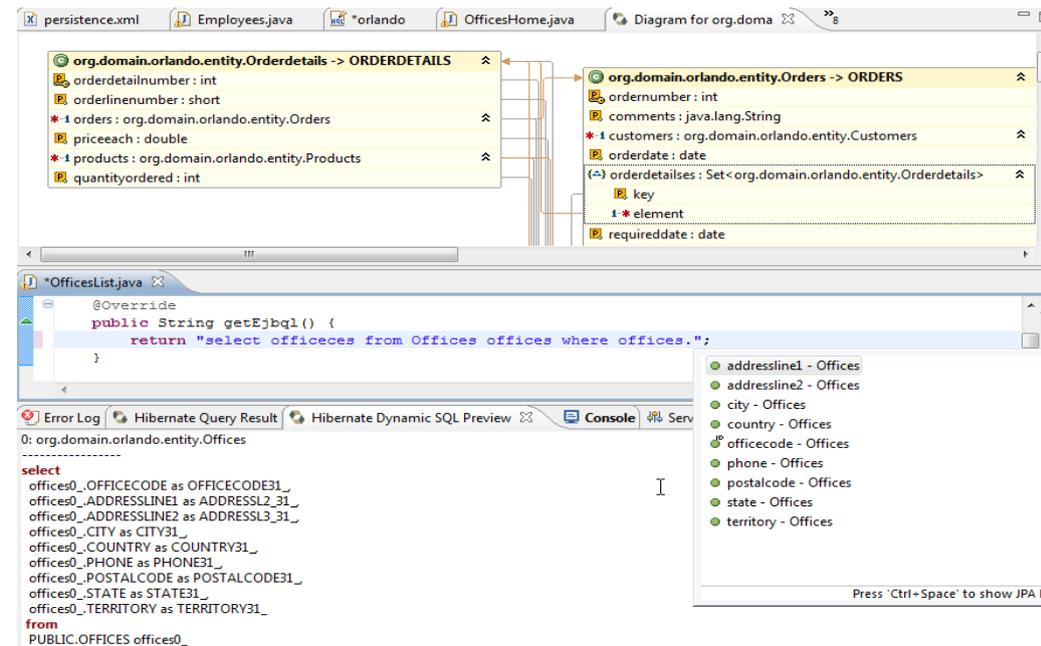
HQL/JPA-QL query and Criteria prototyping

Java inline query code completion and query validation

Mapping visualization

Reverse engineering from database schema

Dali Validation



Project Archives

Incremental update

Zipped or exploded archives

Any application server that supports hot deployment

Not dependent on WTP projects



...and more...

JBoss Server View

Drools

jBPM

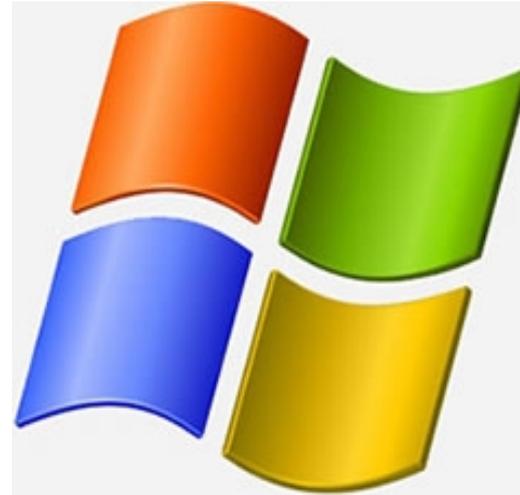
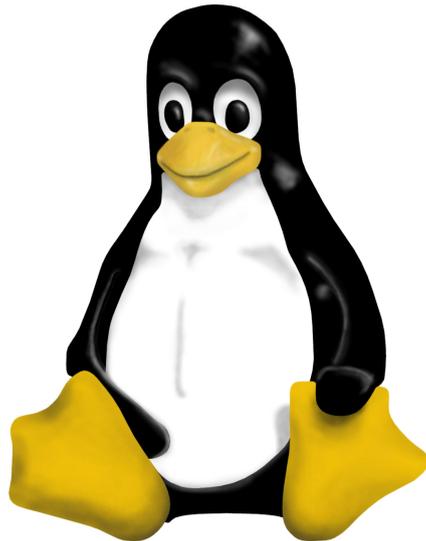
Restart by "Touch"

Struts 1.x

Project explorer navigation
and direct editing

...

Available on multiple platforms



How to get it ?

Get Eclipse J2EE bundle from <http://www.eclipse.org>

Get JBoss Tools All Plugins from <http://www.jboss.org/tools>

Get JBoss AS from <http://www.jboss.org/as>

Get Seam from <http://www.jboss.org/as>

...get additional Eclipse plugins such as TestNG

Configure it

Have fun!

Too
much
hassle?

JBoss Developer Studio Portfolio Edition

One install – just works!

Everything preconfigured and ready for doing Web 2.0 development

JBoss Tools

Eclipse and Web Tools pre-configured

JBoss EAP with JBoss AS and Seam pre-configured

3rd party plugins bundled and configured

Access to JBoss supported software

Access to RHEL and Red Hat Network

Available under a subscription for 99\$

JBoss Developer Studio

Installer

JBoss Tools

JBoss AS, Seam,
Hibernate,
JBPM,
JSF, Struts, ...

3rd Party

TestNG
SpringIDE
...

Eclipse and Web Tools
Java, JEE, Other servers

JBoss EAP
JBoss AS and Seam



Which to choose ?

JBoss Tools

Open Source

Some assembly required

Bleeding Edge

Use with Community
binaries

Gratis

Developer Studio

Open Source

Works out-of-the-box

Stable

Build on bundled supported
binaries

99\$

In a release
not so far
away...

Developer Studio 2.1

Latest Eclipse 3.4/WTP

JBoss Tools 3.0.2

Bugfixes

JBoss EAP 5

Seam 2.2

Supported Update site

To be released together with EAP 5 GA

JBoss Tools 3.1.x

Eclipse 3.5/Web Tools 3.1

...and more...

Maven

Integration with m2eclipse

Project Configurators

Seam, JSF, ...

Library Providers

JBoss Deployments

Remote host and EC2 Support

Deployment and control via ssh/scp

JSF 1.2/2

TLD and other resources being picked up from the classpath (Yay!)

EL property and method refactoring for Managed Beans and Seam Components

Composite components (JSF 2)

Understand JSF 2 resource lookup

(Experiment) use JSF runtime to generate previews for unknown tag's

Hibernate Tools

Hibernate JPA Platform

Validation through Naming Strategy

No more JPA Spec only validations

SOA

ESB

Service testing and deployment

BPEL

Based on Eclipse.org BPEL project

Deploy to Riftsaw based BPEL engine

Smooks

Structured editor for transformation

Basic testing of transformations

Future

Seam 3

JSR-299/WebBeans support

Bean Components wizards

Refactoring

Validations

More support for other JBoss products

EPP, WFK, EWP, ...

JBoss Developer Studio 3

JBoss Tools 3.1

Eclipse 3.5.x/WTP 3.1.x

TestNG/SpringIDE/(m2eclipse)?

JBoss EAP 5 with Seam 2.2

GA Q110

Contributions Welcome!

svn co

<http://anonsvn.jboss.org/repos/jbosstools/trunk>

...

Attach patch in Jira

Profit for everyone!

ps. Forum and jira discussions counts too!

Conclusion

JBoss Tools is the playground

JBoss Developer Studio our supported solution

Developer Studio 2.1 released with EAP 5

JBoss Tools 3.1.x / Developer Studio 3

Latest Eclipse

Enablement for Maven repository/build users

JSF 2/Seam

SOA/BPEL

3rd Milestone available today!

Contributions welcome!

QUESTIONS?

TELL US WHAT YOU THINK:
REDHAT.COM/JBOSSWORLD-SURVEY

<http://twitter.com/maxandersen>

<http://twitter.com/jbosstools>

<http://www.jboss.com/products/devstudio>

<http://www.jboss.org/tools>