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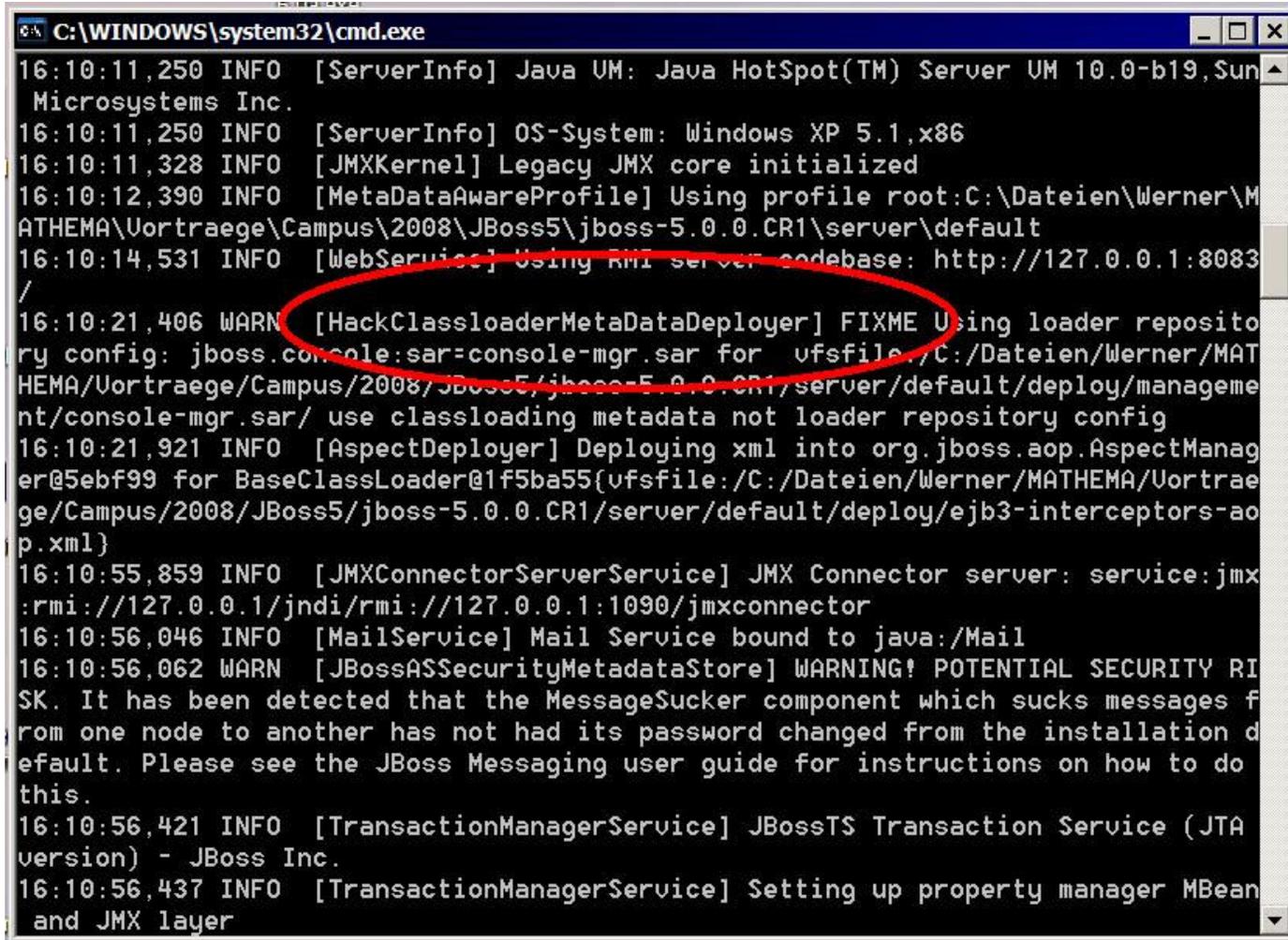
# JBoss die Fünfte

Wissenswertes über JBoss 5.0

Werner Eberling

MATHEMA Software GmbH

## JBoss 5.0.0-CR1 – Das geht ja gut los ,)



```
C:\WINDOWS\system32\cmd.exe
16:10:11,250 INFO [ServerInfo] Java VM: Java HotSpot(TM) Server VM 10.0-b19, Sun Microsystems Inc.
16:10:11,250 INFO [ServerInfo] OS-System: Windows XP 5.1,x86
16:10:11,328 INFO [JMXKernel] Legacy JMX core initialized
16:10:12,390 INFO [MetaDataAwareProfile] Using profile root:C:\Dateien\Werner\MATHEMA\Vortraege\Campus\2008\JBoss5\jboss-5.0.0.CR1\server\default
16:10:14,531 INFO [WebService] Using RMI server codebase: http://127.0.0.1:8083/
16:10:21,406 WARN [HackClassLoaderMetaDataDeployer] FIXME Using loader repository config: jboss.console:sar=console-mgr.sar for vfsfile:/C:/Dateien/Werner/MATHEMA/Vortraege/Campus/2008/JBoss5/jboss-5.0.0.CR1/server/default/deploy/management/console-mgr.sar/ use classloading metadata not loader repository config
16:10:21,921 INFO [AspectDeployer] Deploying xml into org.jboss.aop.AspectManager@5ebf99 for BaseClassLoader@1f5ba55(vfsfile:/C:/Dateien/Werner/MATHEMA/Vortraege/Campus/2008/JBoss5/jboss-5.0.0.CR1/server/default/deploy/ejb3-interceptors-aop.xml)
16:10:55,859 INFO [JMXConnectorServerService] JMX Connector server: service:jmx:rmi://127.0.0.1/jndi/rmi://127.0.0.1:1090/jmxconnector
16:10:56,046 INFO [MailService] Mail Service bound to java:/Mail
16:10:56,062 WARN [JBossASSecurityMetadataStore] WARNING! POTENTIAL SECURITY RISK. It has been detected that the MessageSucker component which sucks messages from one node to another has not had its password changed from the installation default. Please see the JBoss Messaging user guide for instructions on how to do this.
16:10:56,421 INFO [TransactionManagerService] JBossTS Transaction Service (JTA version) - JBoss Inc.
16:10:56,437 INFO [TransactionManagerService] Setting up property manager MBean and JMX layer
```

## Die harten Fakten

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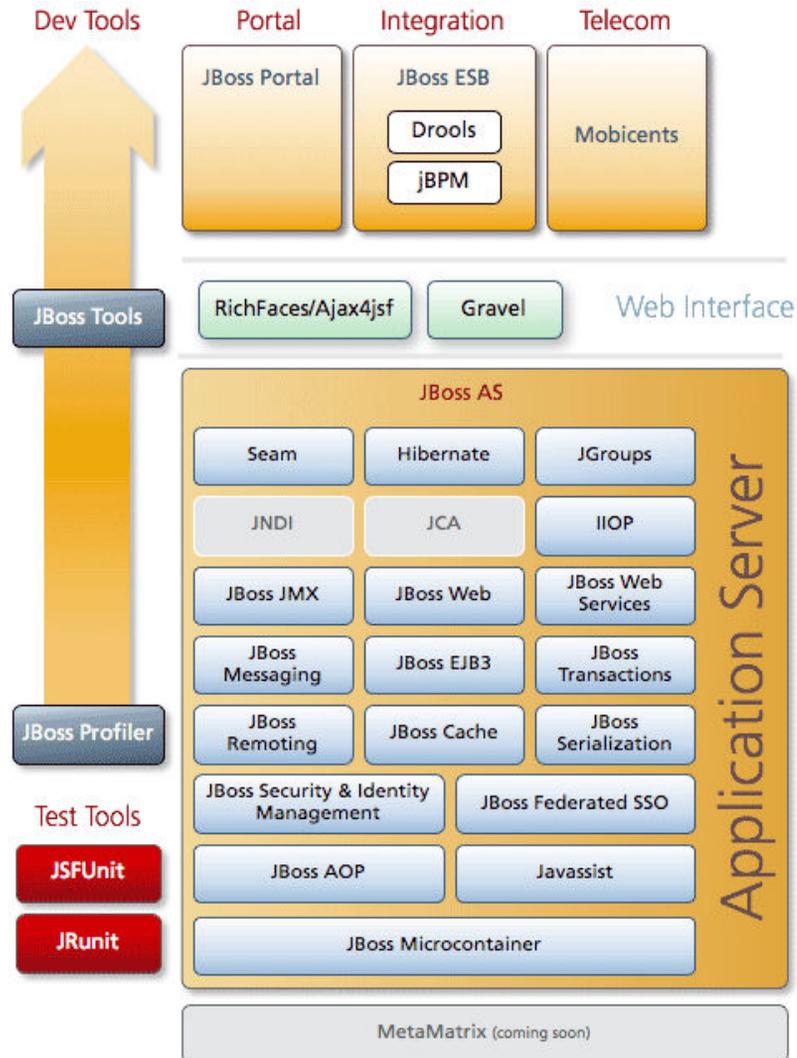
- Versionsnummer: 5.0.0-CR1
- Versionsname: Morpheus
- Build: 30. Juni '08

## Was ist neu?

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- JBoss Messaging 1.4 (ersetzt JBoss MQ)
- JBoss WebServices 3.0
- Überarbeitetes Clustering
- JBoss TS
  
- JEE 5-Fullstack

# Architektur im Überblick



## Interessante Details

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- Microcontainer als Grundlage
  - Abkehr vom JMX-Kernel
  - Verspricht einfachere Testbarkeit
- Seam – out of the box
  - JEE-AddOn
  - Vorsicht: Vendor-LockIn
  - Evtl. als JBoss WebBeans-Preview !?!

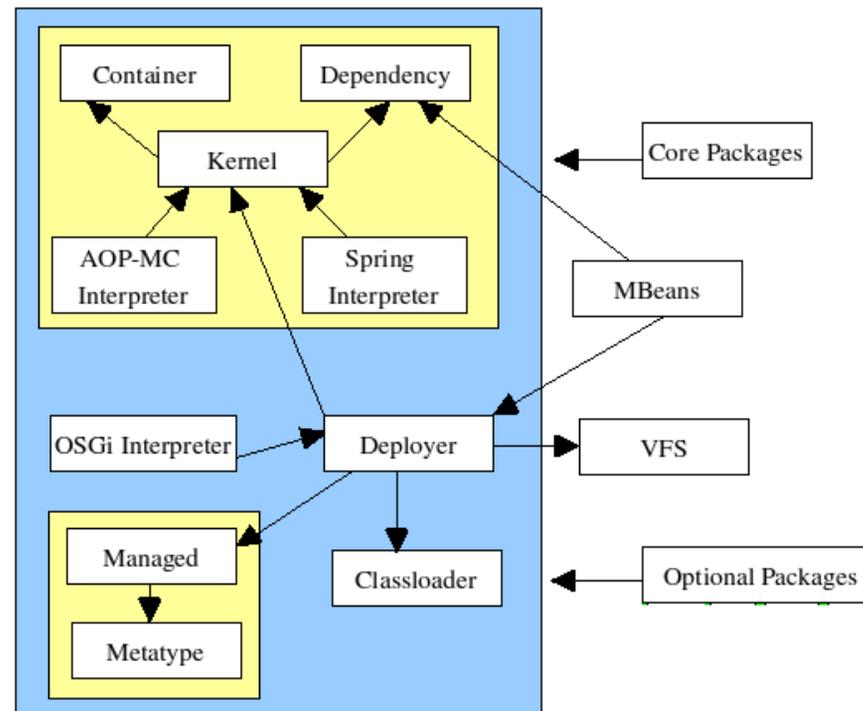
# Der Microcontainer

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- Leichtgewichtiger IOC-Container
  - Dependency Injection
  - POJO-basiert
- Konfiguration über
  - Annotationen
  - XML
- Zielt u.a. auf ME-Umgebungen ab
- Enthält noch keine JEE-Services!

# Der Microcontainer

- Mikrocontainer-Module



# Vom Microcontainer zum EJBContainer

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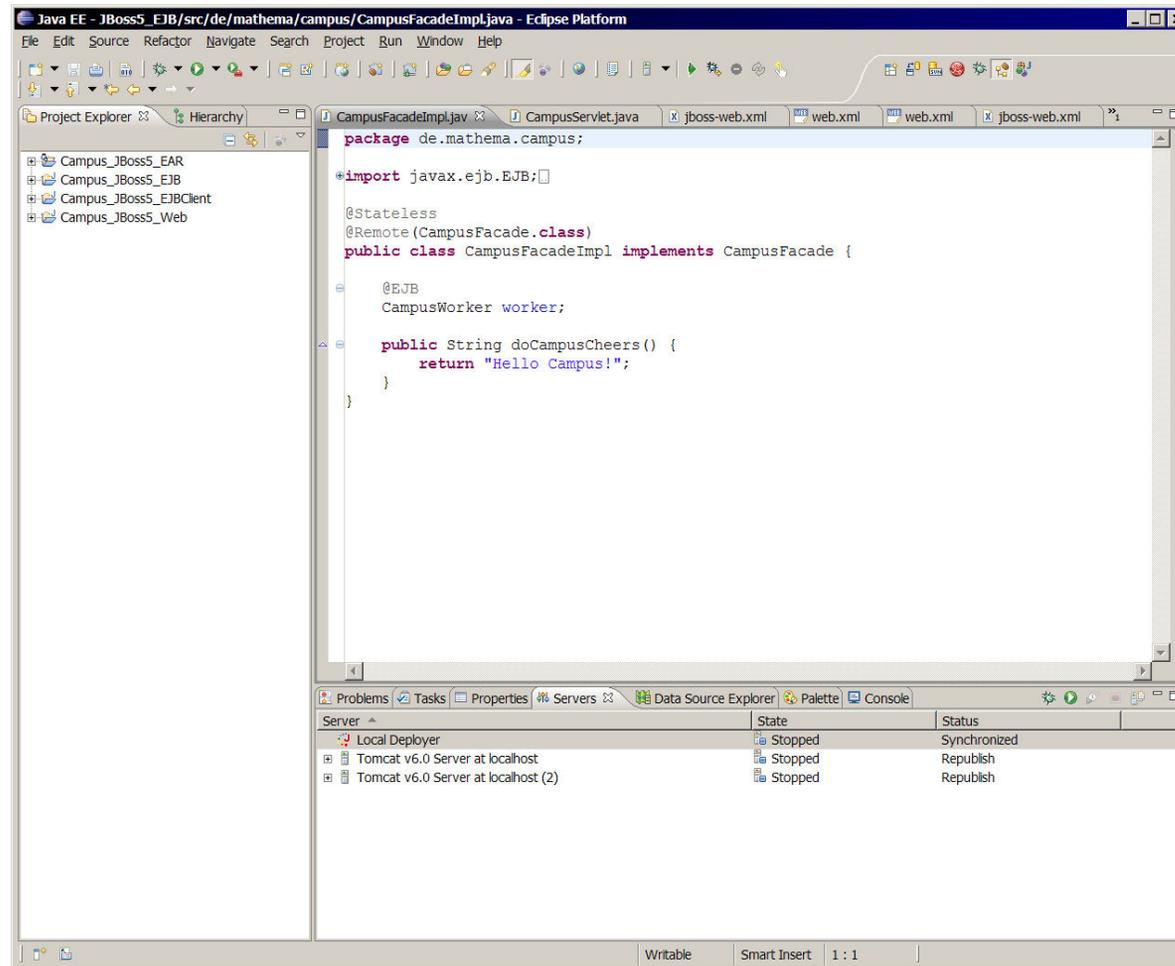
- Anpluggen der notwendigen Services
  - `JBOSS_HOME/server/<config>/conf/`
    - `bootstrap-beans.xml`
    - `bootstrap-repo-beans.xml`

## Aber wie fühlt sich der neue Server an?

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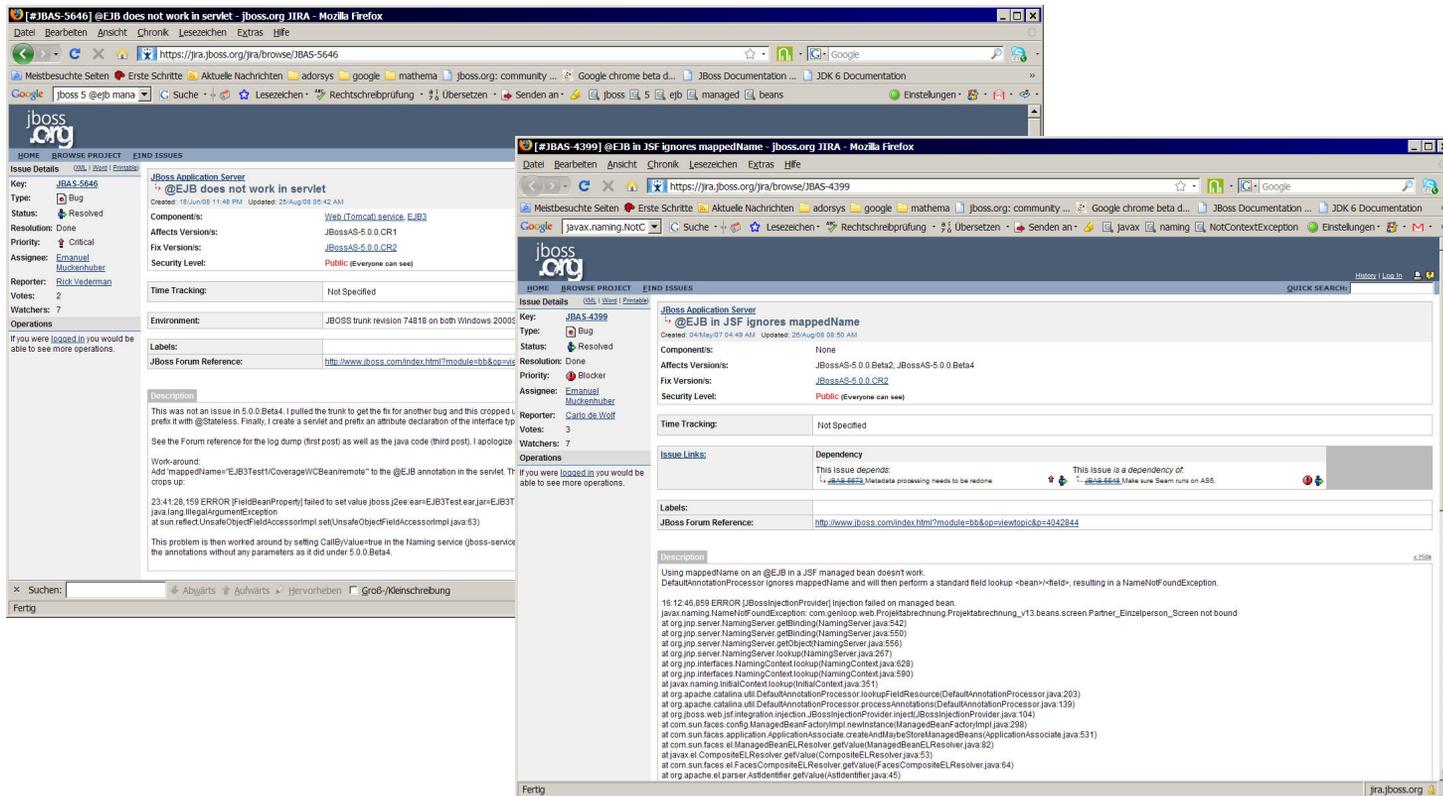
- Vorgestellten Änderungen grösstenteils „unter der Motorhaube“
- Was ändert sich für den Entwickler?
- Schauen wir doch mal...

# Eine kleine EJB-Anwendung ...



# Es ist noch nicht alles Gold...

- Leider doch der ein oder andere Bug
- CR2 verspricht Abhilfe



**JBAS-5646** @EJB does not work in servlet - jboss.org JIRA - Mozilla Firefox

Issue Details | HOME | BROWSE PROJECT | FIND ISSUES

Key: **JBAS-5646**  
 Type: Bug  
 Status: Resolved  
 Resolution: Done  
 Priority: Critical  
 Assignee: Emanuel Muckenhuber  
 Reporter: Rick Vadenman  
 Votes: 2  
 Watchers: 7

Environment: JBoss trunk: revision 74816 on both Windows 2000

Labels: **JBoss Forum Reference:** <http://www.jboss.com/index.html?module=bb&op=view>

Description

This was not an issue in 5.0.0.Beta4. I pulled the trunk to get the fix for another bug and this cropped up. I added 'if you were logged in you would be able to see more operations.'

Work-around:  
 Add 'mappedName="EJB3TestCoverageWCBean/remote"' to the @EJB annotation in the servlet. If you were logged in you would be able to see more operations.

23:41:28:159 ERROR [FieldBeanProperty] failed to set value [jboss.j2ee:ear=EJB3TestEar.jar:EJB3TestEar.jar] illegalArgumentException at sun.reflect.UnsafeObjectFieldAccessImpl.setUnsafeObjectFieldAccessImpl.java(43)

This problem is then worked around by setting CallByValue=true in the Naming service (jboss-service.xml) annotations without any parameters as it did under 5.0.0.Beta4.

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**JBAS-4399** @EJB in JSF ignores mappedName - jboss.org JIRA - Mozilla Firefox

Issue Details | HOME | BROWSE PROJECT | FIND ISSUES

Key: **JBAS-4399**  
 Type: Bug  
 Status: Resolved  
 Resolution: Done  
 Priority: Blocker  
 Assignee: Emanuel Muckenhuber  
 Reporter: Carlo de Wolf  
 Votes: 3  
 Watchers: 7

Environment: JBoss trunk: revision 74816 on both Windows 2000

Labels: **JBoss Forum Reference:** <http://www.jboss.com/index.html?module=bb&op=viewtopic&se=4042844>

Description

Using mappedName on an @EJB in a JSF managed bean doesn't work. DefaultAnnotationProcessor ignores mappedName and will then perform a standard field lookup <bean>+<field>, resulting in a NameNotFoundException.

16:12:46:859 ERROR [JBossInjectionProvider] Injection failed on managed bean.  
 javax.naming.NameNotFoundException: com.genloop.web.ProjektAbrechnung.ProjektAbrechnung\_v13.beans.screen.Partner\_Einzelperson\_Screen not bound at org.jboss.naming.NamingServer.getBinding(NamingServer.java:542)  
 at org.jp.server.NamingServer.getBinding(NamingServer.java:550)  
 at org.jp.server.NamingServer.getObject(NamingServer.java:556)  
 at org.jp.server.NamingServer.lookup(NamingServer.java:217)  
 at org.jp.interfaces.NamingContext.lookup(NamingContext.java:628)  
 at org.jp.interfaces.NamingContext.lookup(NamingContext.java:590)  
 at java.naming.InitialContext.lookup(InitialContext.java:251)  
 at org.apache.catalina.util.DefaultAnnotationProcessor.lookupFieldResource(DefaultAnnotationProcessor.java:203)  
 at org.apache.catalina.util.DefaultAnnotationProcessor.processAnnotation(DefaultAnnotationProcessor.java:139)  
 at org.jboss.web.jaf.integration.injection.JBossInjectionProvider.inject(JBossInjectionProvider.java:104)  
 at com.sun.faces.config.ManagedBeanFactoryImpl.newInstance(ManagedBeanFactoryImpl.java:298)  
 at com.sun.faces.application.ApplicationAssociate.createManagedBeans(applicationAssociate.java:531)  
 at com.sun.faces.el.ManagedBeanELResolver.getValue(ManagedBeanELResolver.java:82)  
 at javax.el.CompositeELResolver.getValue(CompositeELResolver.java:53)  
 at com.sun.faces.el.FacesCompositeELResolver.getValue(FacesCompositeELResolver.java:64)  
 at org.apache.el.parser.AstIdentifier.getValue(AstIdentifier.java:45)

## Mal bekannt, mal neu

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- Viele Vorgehensweisen / Konfigurationen sind vom JBoss 4 bekannt
- Teilweise ändern sich aber auch die Vorgehensweisen
  - z.B.: ejb3-interceptor.xml

## Fazit

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- Viele „interne“ Änderungen
- Microcontainer verspricht gute Anpassbarkeit
- SEAM wird deutlich positioniert
- Aber: CR-2 ist schon wieder verspätet :(
- Wann kommt endlich eine 5.0.0-GA???

Vielen Dank!

Werner Eberling

MATHEMA Software GmbH