

Software-Produktlinien mit Subversion verwalten

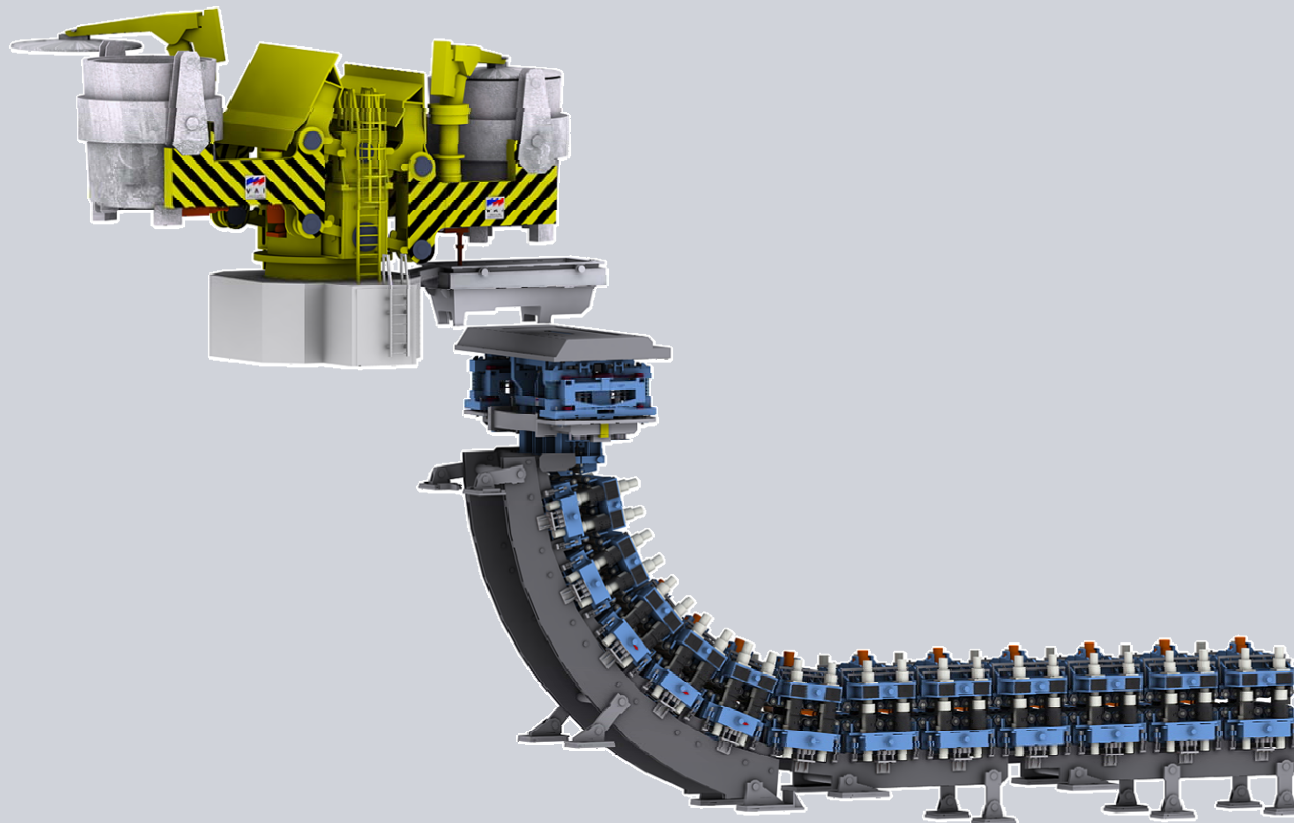
SubConf 2008

15.10.2008, München

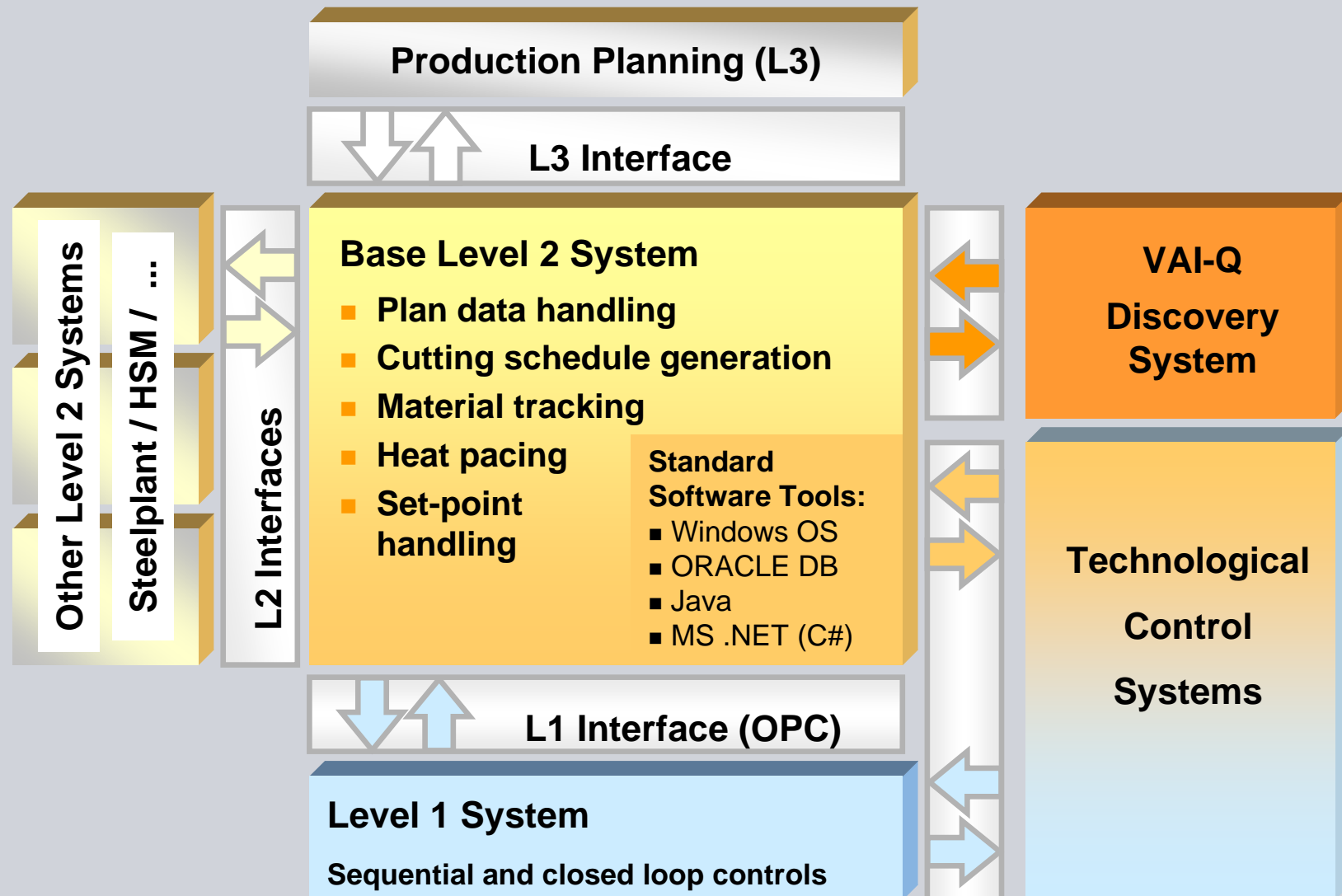
Martin Lehofer

Problemumfeld Metallurgie

Was ist eine Stranggussanlage?



Problemumfeld Software Engineering System of Systems



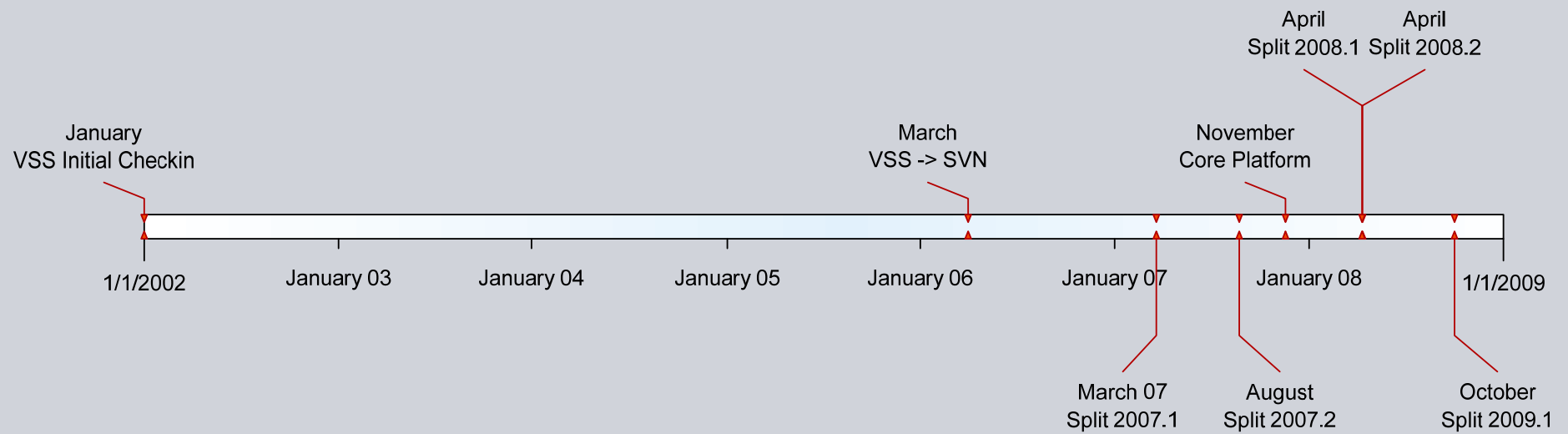
Versionsverwaltung

2002 – 2005 Visual Source Safe
2006 – Subversion

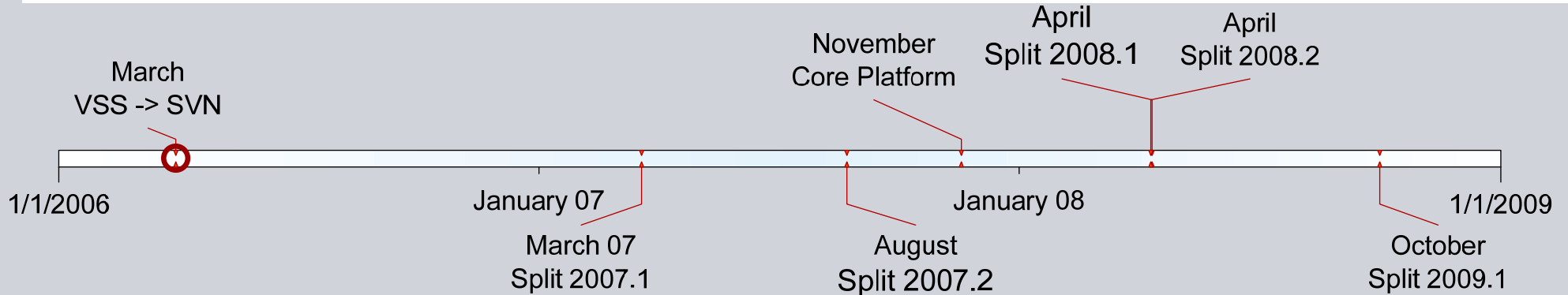
Umstellung:

- Freitag
 - Vormittags: Checkin-Lock VSS
 - Nachmittags: Konvertierung VSS / SVN
- Montag
 - Vormittags: Schulung der Entwickler, Einrichten der Arbeitsumgebung
 - Nachmittags: Weiterarbeiten wo Freitag Mittag aufgehört

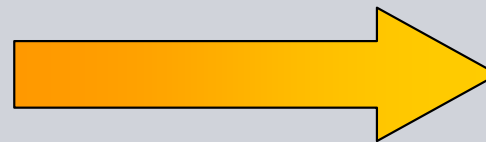
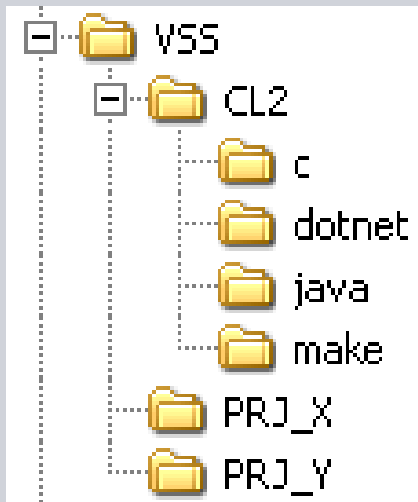
Vom Produkt zur Produktlinie Überblick



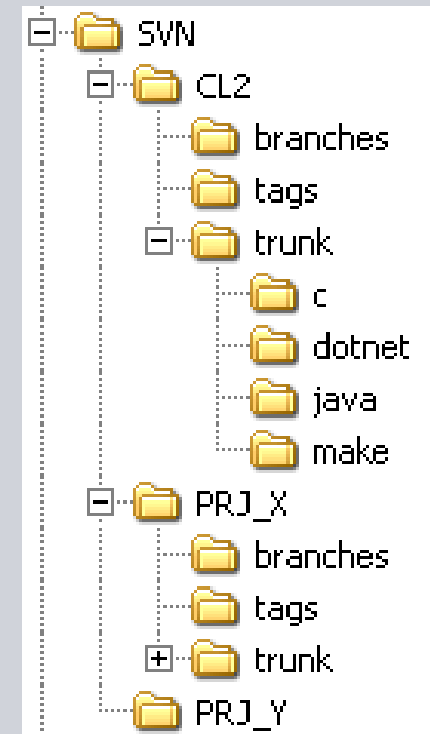
Repository-Layout: (1) Umstellung auf Subversion



Source Safe:

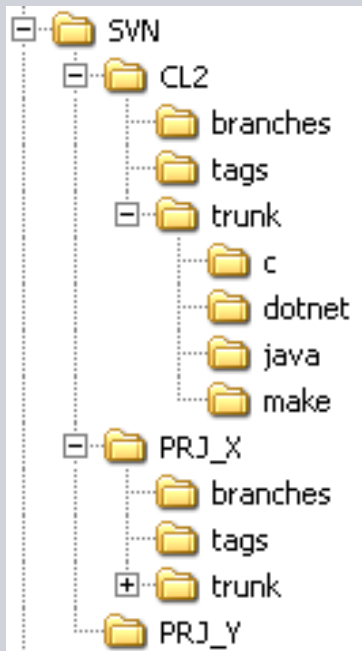
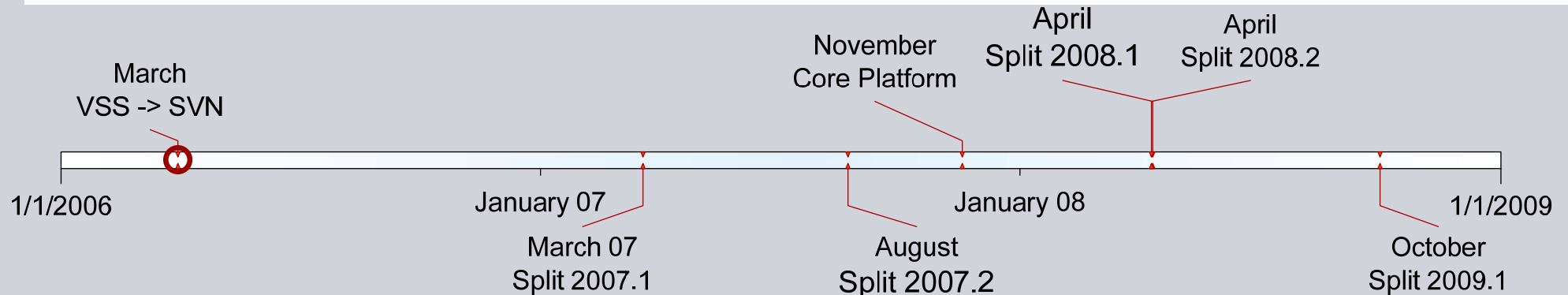


Subversion



Repository-Layout (2)

Aufteilen von Repositories - Splits



Was ist ein Split?

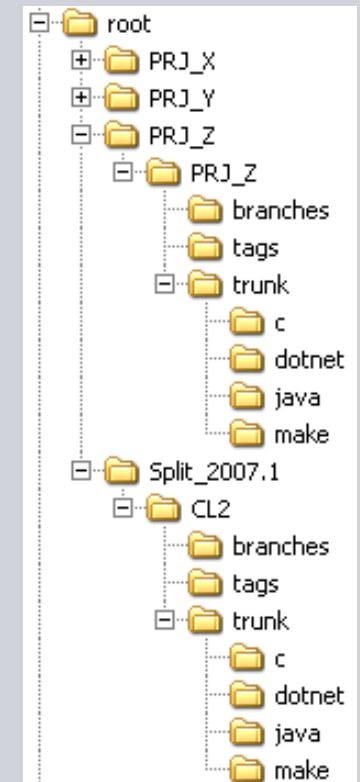
- Gruppe bereits ausgelieferter oder anlaufender Projekte
- Weitere Änderungen sollen sich nicht auf diese Projekte auswirken

Warum einzelne Repositories?

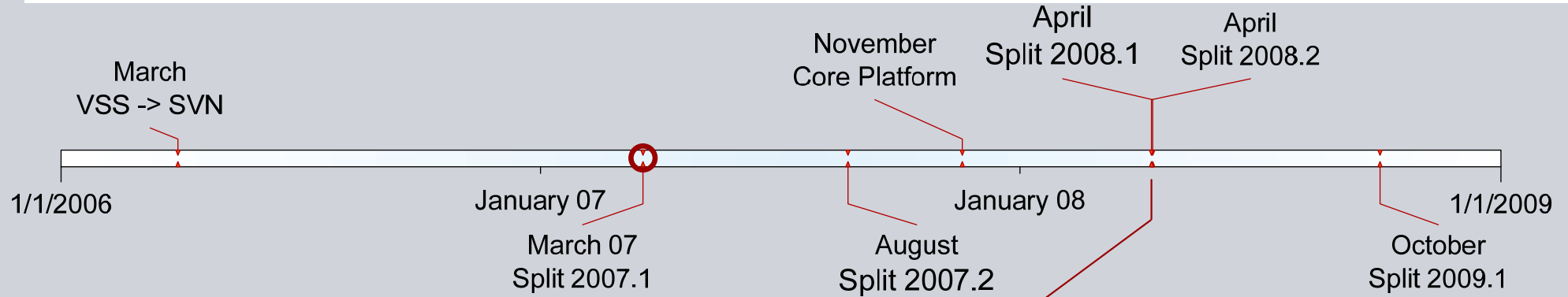
- „Projekt auf CD brennen und archivieren“

Resultat

- Vorher: 1 Repository
- Nachher: 7 Repositories



Repository-Layout (3) Branching-Strategien



Branch Later

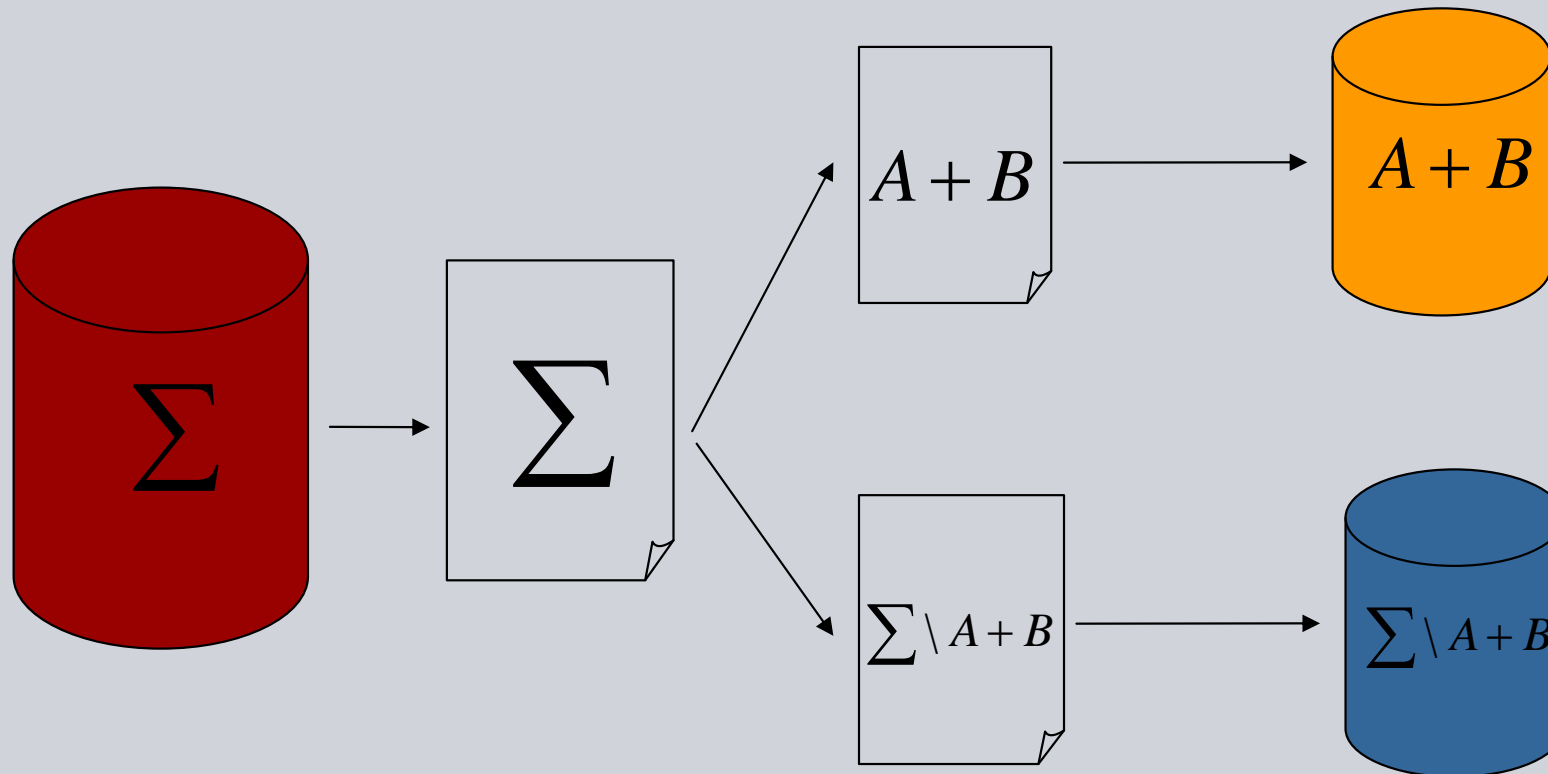
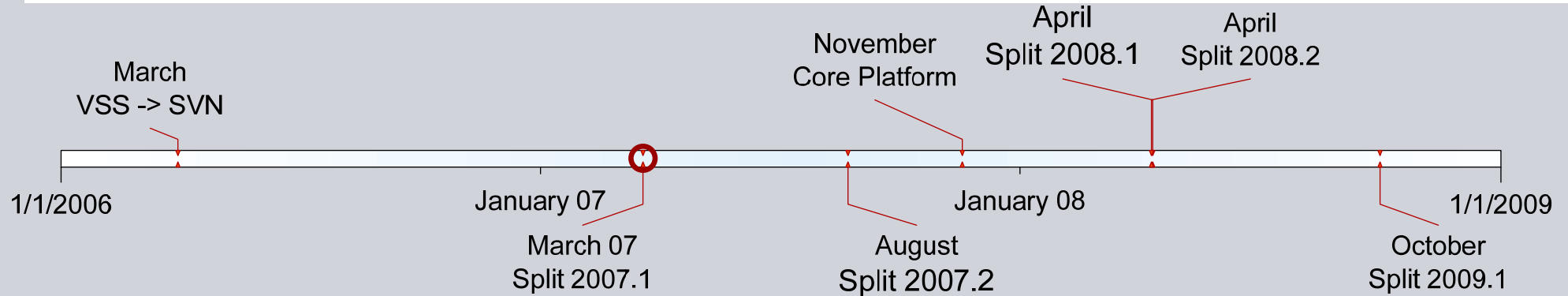


Branch First

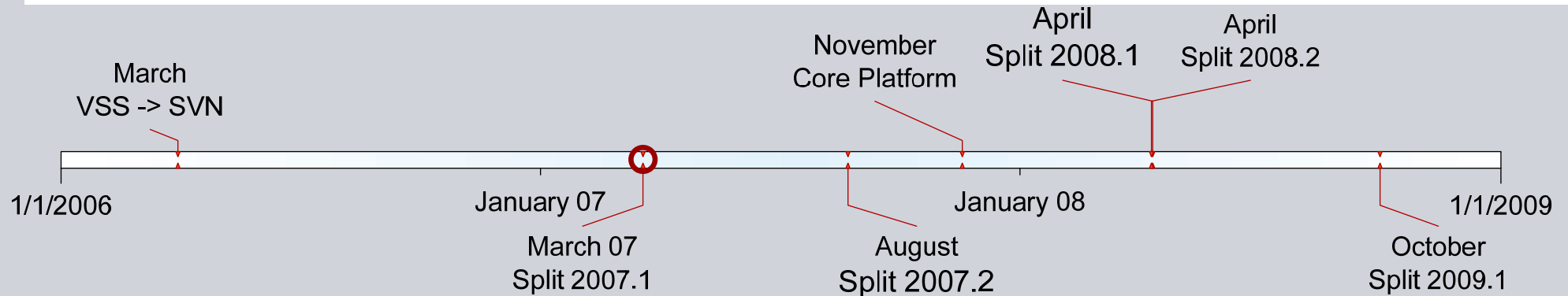


Aufteilen von Repositories (1)

Idee



Aufteilen von Repositories (2) Durchführung

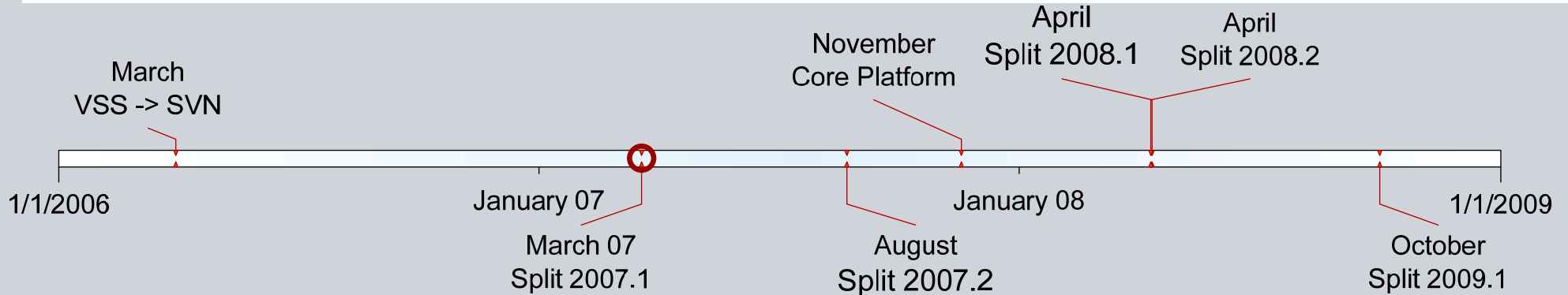


```
1. > svnadmin dump repos > dump.txt
>
2. > svndumpfilter include A B < dump.txt > AandB.txt
3. > svndumpfilter exclude A B < dump.txt > AnorB.txt
>
4. > svnadmin load repos2 < AandB.txt
5. > svnadmin load repos3 < AnorB.txt
```

1. Subversion-Repository *repos* ausgeben
2. Operation auf Pfade die mit "A" oder "B" beginnen ausgeben
3. Operation auf Pfade, die nicht mit "A" oder "B" beginnen AnorB.txt ausgeben
4. Repository *repos2* mit AandB.txt laden
5. Repository *repos3* mit AnorB.txt laden

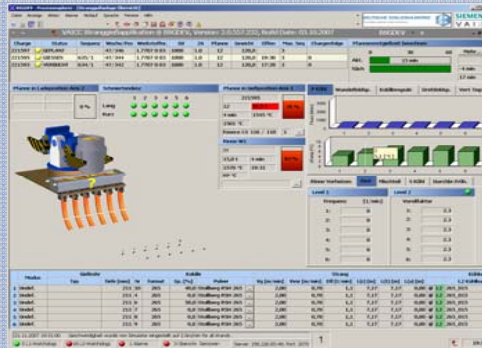
Vom Produkt zur Produktlinie (2)

SIMETAL^{CIS} CC Optimization

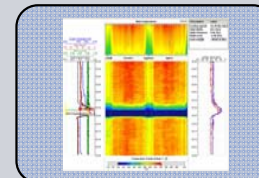


PRJ_X PRJ_Y PRJ_Z

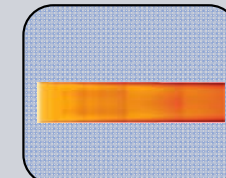
SIMETAL^{CIS} CC Optimization



SIMETAL^{CIS}
MoldExpert



SIMETAL^{CIS}
Dynacs



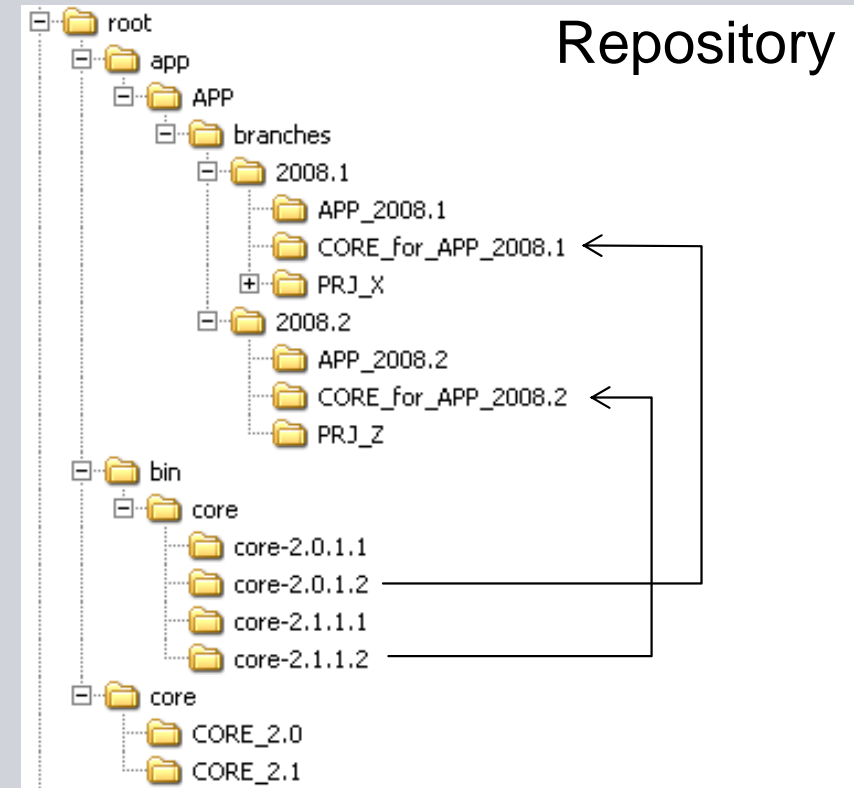
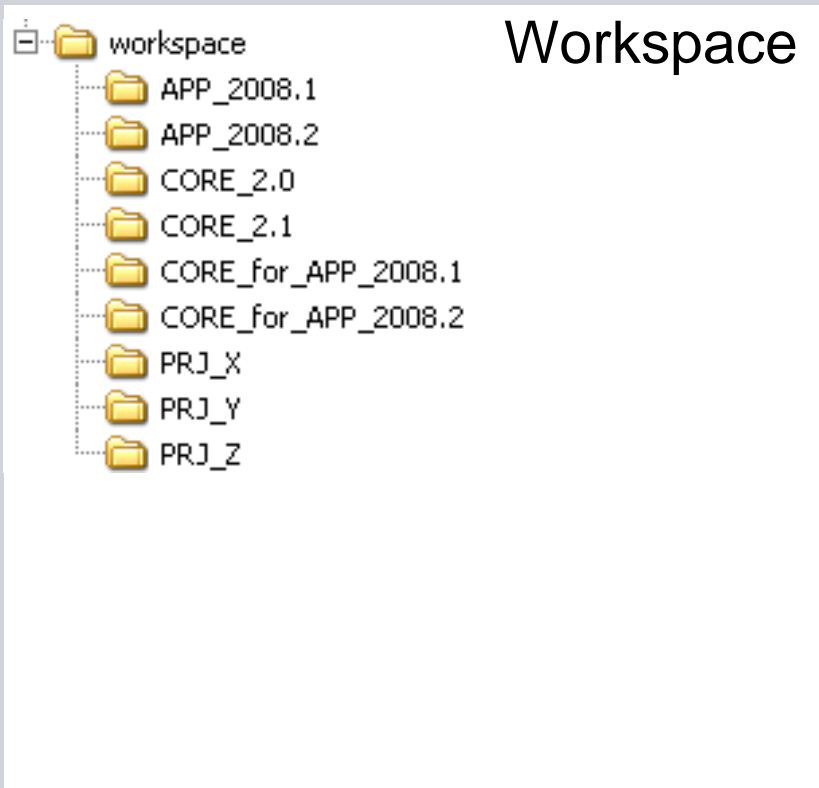
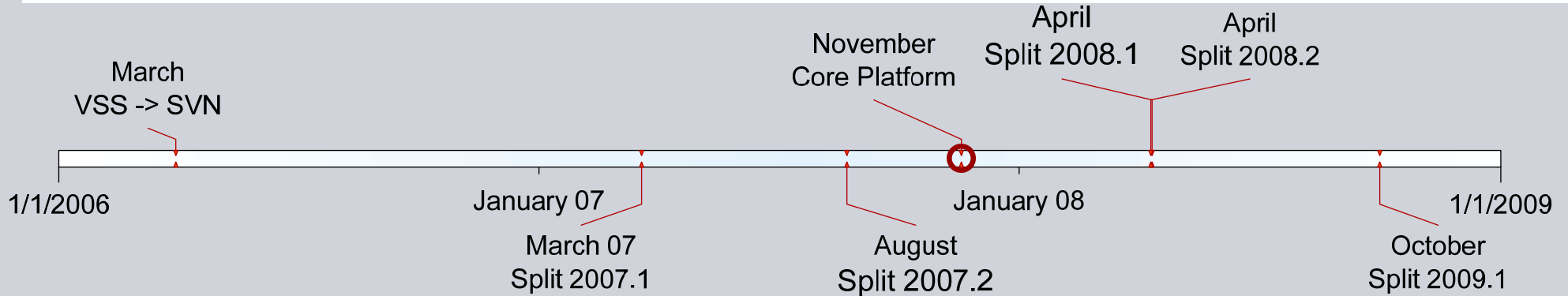
SIMETAL^{CIS}
VAIQ



Java Automation Platform

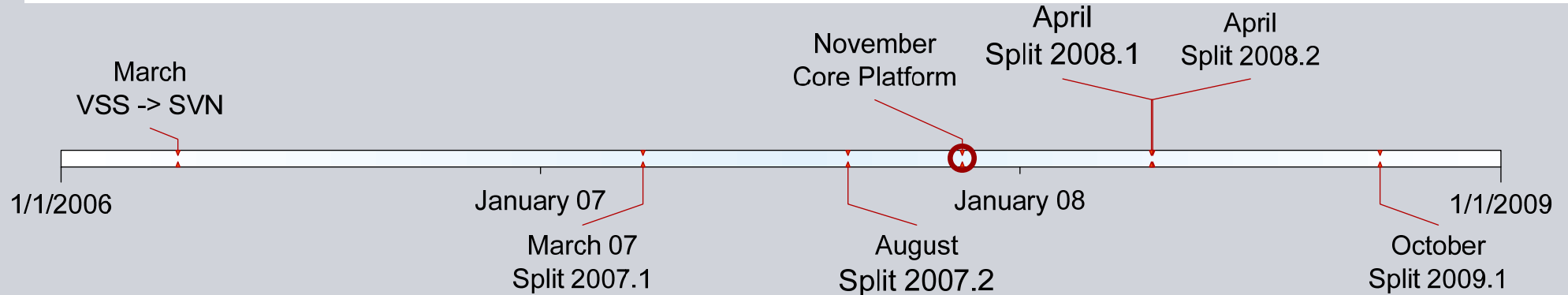
Repository-Layout (4)

Workspace/Repository-Struktur



svn:externals

Einbindung anderer Repositories



- Verlinkung von Pfaden zu andern Pfaden in Repositories
 - Gleiches Repository
 - Entferntes Repository
- Hilfreich bei:
 - Utility-Klassen
 - Buildfiles
 - 3rd-Party Libraries

History

/lib in http://lnzvt-www0011:8080/jamp/JAMP/branches/2.1

Revi...	Date	Author	Comment
			switched back to groovy 1.5.4

Action	Affected paths	Description
A	/JAMP/branches/2.1/lib/groovy/groovy-all-1.5.4.jar	

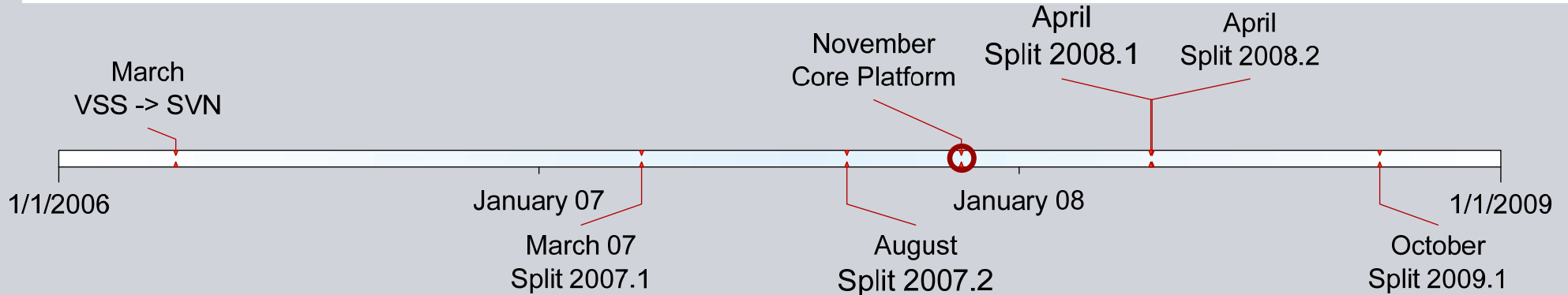
SVN Properties

Svn properties for lib

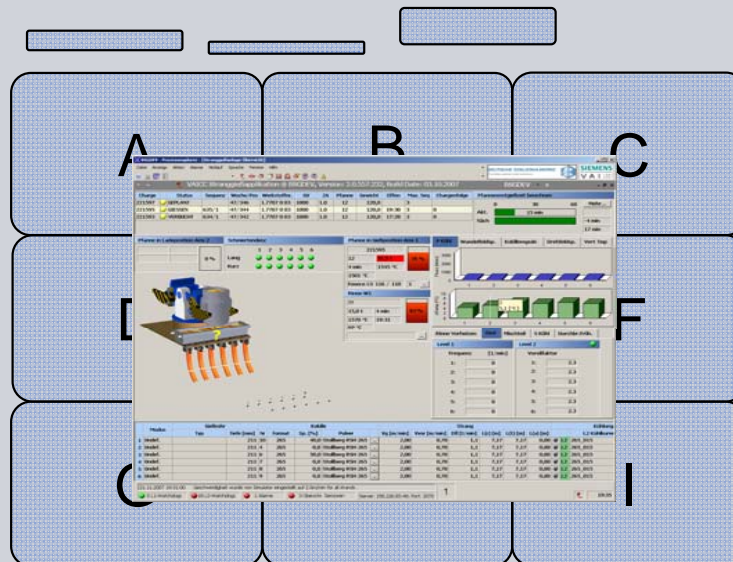
Some properties have been modified since last commit

name	value
svn:externals	commons http://lnzvt-www0011:8080/artifacts/JAMP/commons/lib

Vom Produkt zur Produktlinie (4) Die SIMETAL^{CIS} CC Optimization Produktlinie



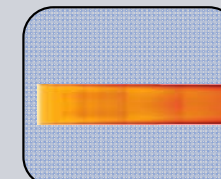
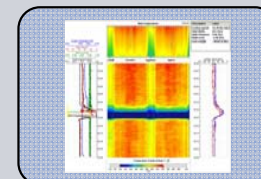
PRJ_X PRJ_Y PRJ_Z



SIMETAL^{CIS}
MoldExpert

SIMETAL^{CIS}
Dynacs

SIMETAL^{CIS}
VAIQ



Java Automation Platform

Issue-Tracking Systeme integrieren

SVN Properties

Svn properties for JAMP-2.1
Some properties have been modified since last commit

name	value
bugtraq:number	true
bugtraq:message	issue # %BUGID%
bugtraq:label	Please enter a Mantis issue number:
bugtraq:logregex	[Ii]ssue #?(\d+)(,? ?#?(\d+))+
bugtraq:url	http://lnzvt-www0011:8080/mantis/view.php?id=%BUGID%
bugtraq:warnifnoissue	true

Commit

Commit to: <http://lnzvt-www0011:8080/jamp/JAMP/branches/2.1>

Enter a comment for the commit operation.

Please enter a Mantis issue number:

improved testcase stability

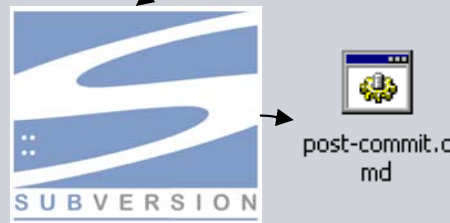
<Choose a previously entered comment>

Configure Comment Templates...

Changes

- JAMP-2.1
- JAMP-2.1/launch
- JAMP-2.1/src/vai/supervisor/deploymentinfo/impl
- JAMP-2.1/test/vai
 - JUnitTestUtil.java

OK Cancel



History

in <http://lnzvt-www0011:8080/jamp/JAMP/branches/2.1>

Revi...	Date	Author	Comment
88753	20.09.08 13:56	lehofema	improved testcase stability is

improved testcase stability
issue #4048

Action	Affected paths	Description
M	/JAMP/branches/2.1/test/vai/JUnitTestUtil.java	

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Unassigned [^] (1 - 10 / 239) Resolved [^] (1 - 10 / 239)

0004196 ftyjdtvjid

(0004539)
Lehofer Martin
(administrator)
2008-09-20 13:56

***** Source code change *****
improved testcase stability
issue [0004048](#)

SVN Revision: 88753

Changed files:
U JAMP/branches/2.1/test/vai/JUnitTestUtil.java

[Edit](#) [Delete](#)
[Make Private](#)

0004167 testing [Demo] Other - 2008-09-15 05:16

0004094 mantis is n [Demo] GU

Vielen Dank für Ihre Aufmerksamkeit!

Literaturempfehlung:

Stephen P. Berzucuk Software Configuration Management Patterns
Addison-Wesley
Boston 2003

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