

Application modernization into the NonStop Java world in 28 days

a journey

with Hans-Fried Kirschbaum
CommitWork GmbH

fiction became reality

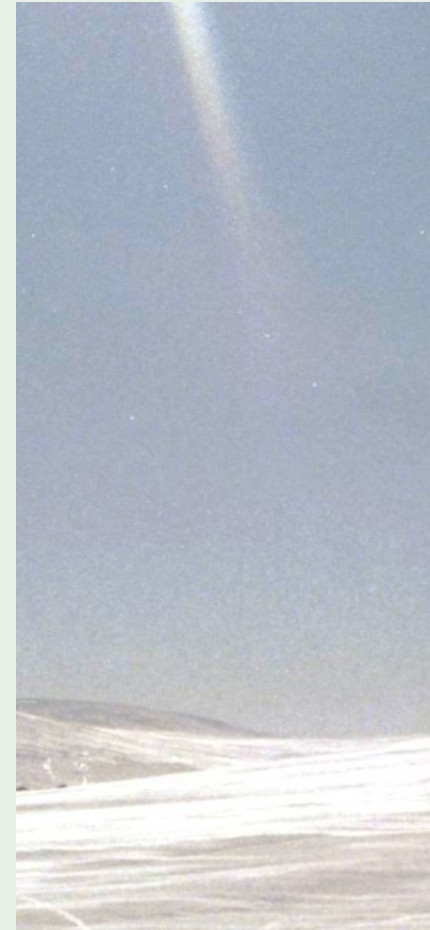
accompany me at this journey & I will demonstrate how you can bring your Java-application into production in only 28 days.

not just a “stand alone” test-application, but a complete business-application

- SingleSign-on
- Menue administration
- Client control
- Authorisation system
- Software distribution
- n18i-support

agenda

- why should you travel ?
- where will we go ?
- the preparation
- let's go !
- learning by doing
- your guide
- alternative traveling packages



why should you travel ?

- applications demanding highest availability run on your HP NonStop Server today; these apps you should never migrate to less available hardware platforms
- C, Cobol, SQL/MP and Pathway are a solid foundation



why should you travel ? here are the reasons !

- young developers are edicted to object orientation
- data exchange with other systems such as SAP Netweaver over J2EE or Webservices
- HP NonStop Server are real power plants today
- many more options available on the HP NonStop Server today
- Java Clients enable a completely new dialogue design

where will we go ?

- the “new world” became reality several years ago
 - Java already works since D-Release on NonStop OS
- Oracle WLS 9.2 is released for H- and J-Releases
- Open Source J2EE JBoss runs well on HP NonStop
- Web services and Tomcat are fully supported
- Hibernate supports SQL/MX
- SQL/MX will support referential integrity, Clobs and Blobs

no “big bang”, but a smooth migration

- I will show you the comfortable way

into the NonStop Java World in 28 days



the preparation - day 1 - 2

- CommitWork has prepared a selection of workshops
 - comparison: Rich- and Thin-Client-Architecture
 - Java on HP NonStop
 - Oracle WLS, JBoss and Tomcat on HP NonStop
 - Architectures: Web Services, Spring, OmnivoBase
 - Client Software distribution
 - OSS-file system
- you decide which ones of them,
or CommitWork prepares an individual workshop
- CommitWork arranges your workshops

the preparation - day 3 - 5

- the Workshops take place in your premises
- by now you will know the final destination of your journey

OmnivoBase enables an “open” future for you

- a change of the Application Server or of the Database is possible at any time later

let's go - day 6 - 10

CommitWork installs:

- OSS
- JVM
- CVS
- J2EE
- Tomcat

CommitWork configures:

- Oracle WLS or JBoss
- Tomcat



let's go - day 11 - 12

- customizing

the GUI Layout will be adapted to your requirements

this includes your Logo, heading- and footing- area,
Login-Dialogue and the structure of the Dialogue-Menu



let's go - day 13 - 14

- installation of OmnivoBase

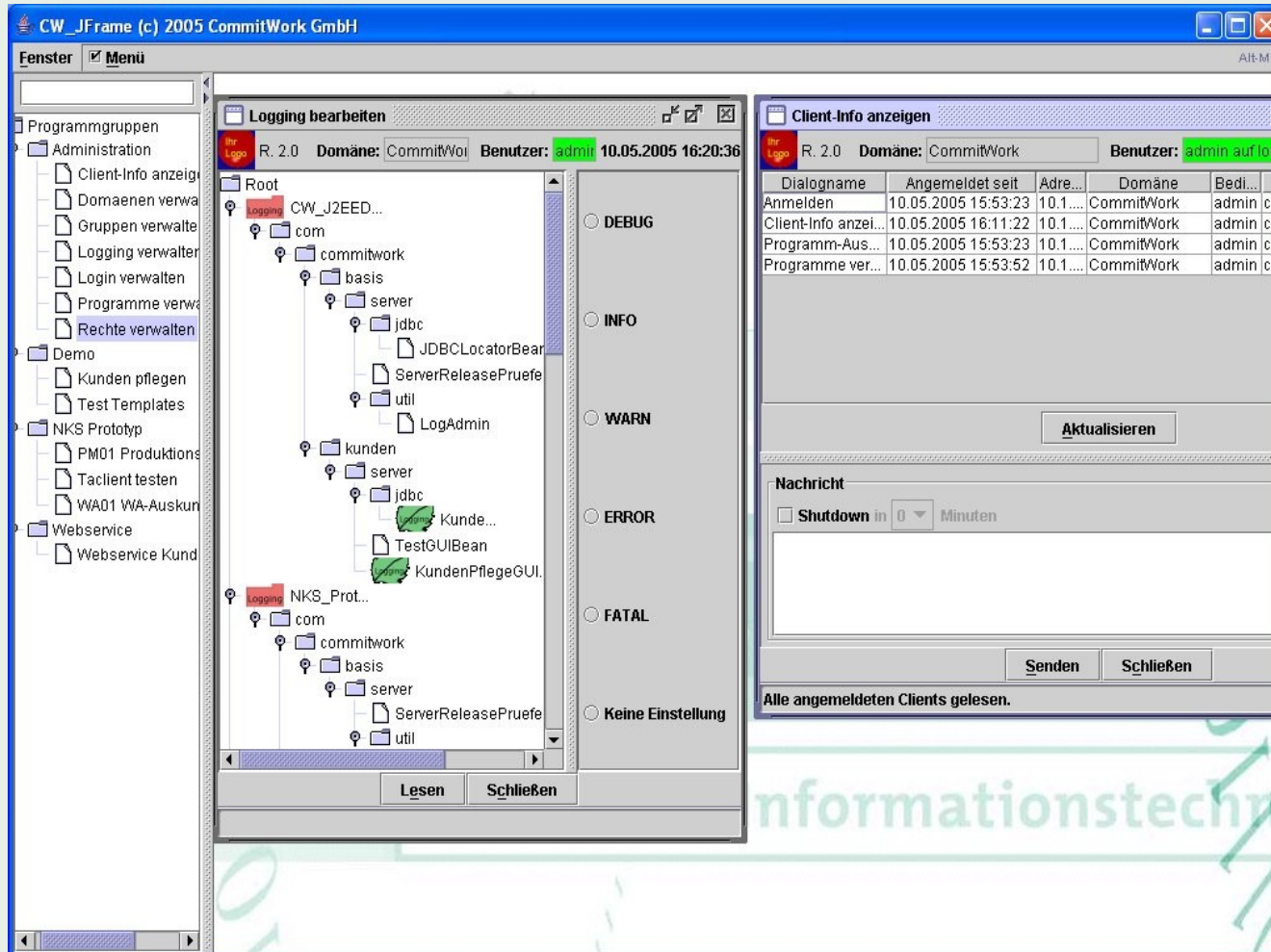
the framework will be installed

this job will be accomplished by CommitWork with two of your employees

the structure of and the correlations within the framework will be part of the new application as well as knowledge about the framework will be built up

let's go - day 13 – 14

- the desktop



let's go - day 13 - 14

- the Menue



- a uniform Dialogue layout

heading



footing

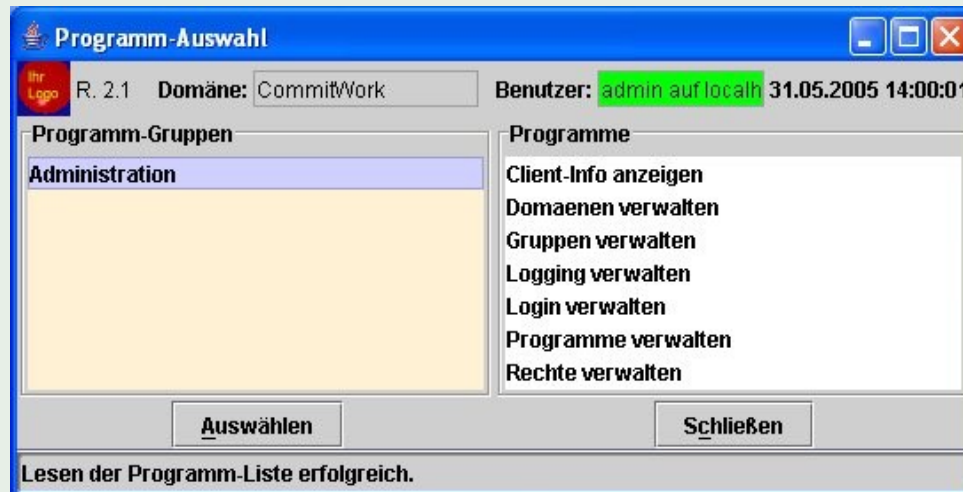


let's go - day 13 - 14

- Login Dialogue



- the Menue as a dialogue



let's go - day 13 - 14

- Menue as a tree



let's go - day 13 - 14

- Authorisation system



let's go - day 13 - 14

- Client control

Client-Info anzeigen

R. 2.0 Domäne: CommitWork Benutzer: admin auf localhost 10.05.2005 17:07:02

Dialogname	Angemeldet seit	Adresse	Domäne	Bediener	Modul	Versions-Nr.
Anlegen einer neu...	10.05.2005 16:36:55	10.1.1.22	CommitWork	admin	com.commitwork.basis	2.0
Gruppen verwalten	10.05.2005 16:35:43	10.1.1.22	CommitWork	admin	com.commitwork.basis	2.0
Rechte-Zuweisung	10.05.2005 16:37:39	10.1.1.22	CommitWork	admin	com.commitwork.basis	2.0

Aktualisieren

Nachricht

☐ Shutdown in 0 Minuten

Senden **Schließen**

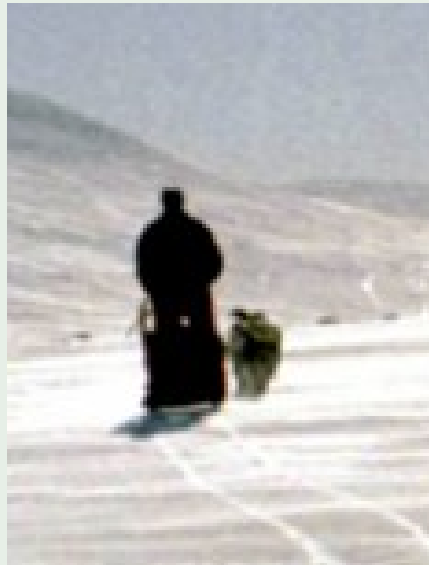
Alle angemeldeten Clients gelesen.

learning by doing - day 15 - 20

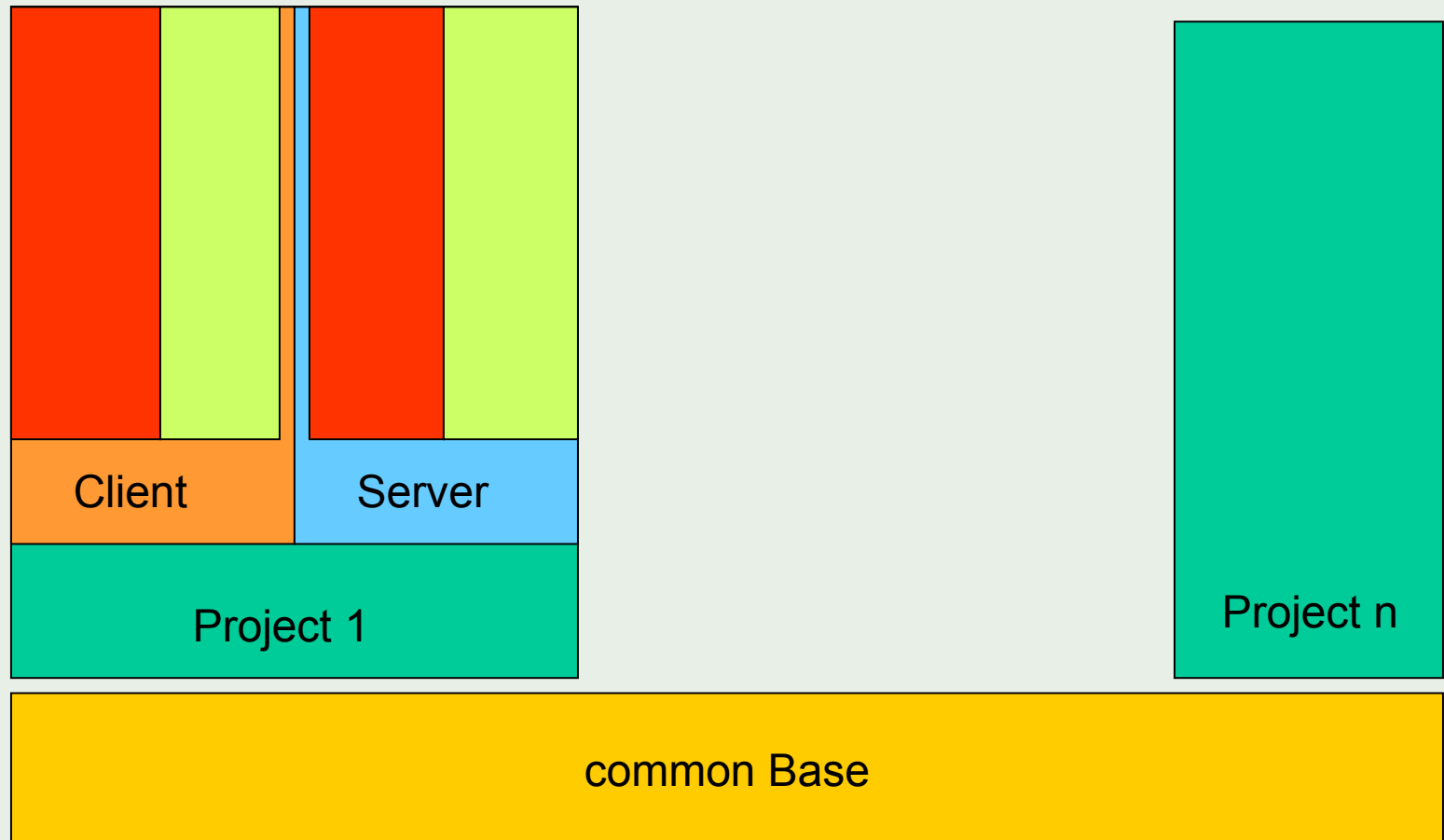
Building your first application prototype


your developers (2 people) build the application prototype

CommitWork provides advise and help



learning by doing - day 15 - 20



 - generated

 - programmed

learning by doing - day 15 - 20

- design of GUI's

FS01 Fehlerstrecken

R. 1.0 Domäne: CommitWork Benutzer: admin auf oss 23.03.2006 12:06:34

Anlage VA11 ME-ID c Suchen

KB-NR 6571657 ID-NR 65-716-57 WA-Nr. 1 ErzGr 1 Datum Ringende 01.04.05 00:05:00 Vor-Anlage 11 Akt-Anlage 11

Breite 0,00 Dicke 0,010 Länge 5000 Gewicht 0 Mat-Fehler 044
Ist Soll 0,00 0,010
Min Max 0 0

Kunde 0 1
Verwendung 1 Verwendung

Text mit Historie, geändert 15.3.06, 11:35:45 Text speichern Text löschen

Fehlerstrecken

von	bis	Fehler	Lg	Se	Int	Vw	SW-Name	Tol	Ist	Anzahl	Opti
10	20	013 Die wilde 13	1	U	0	<input type="checkbox"/>	X	0	1,1	1	<input type="checkbox"/>
20	2100	016 Die hilde 16	0		0	<input type="checkbox"/>		0	0	0	<input type="checkbox"/>
1200	1700	016 Die hilde 16	F		0	<input type="checkbox"/>	asfd	0	1	0	<input checked="" type="checkbox"/>
1600	1900	016 Die hilde 16	C	U	3	<input checked="" type="checkbox"/>	CutTest ...	0	333	0	<input checked="" type="checkbox"/>
40	60	045 Ein grosser Fehler	1	B	0	<input type="checkbox"/>	jd	0	12,12	1	<input type="checkbox"/>
2000	5300	016 Die hilde 16	2	O	0	<input type="checkbox"/>	lkjhh	1	1	1	<input type="checkbox"/>
122	500	016 Die hilde 16	2	U	2	<input type="checkbox"/>	Nee	3	123	2	<input checked="" type="checkbox"/>
1	2	044 Ein Fehler	2	O	0	<input type="checkbox"/>	lkjhh	1	1	1	<input type="checkbox"/>
1000	1500	016 Die hilde 16	E	O	0	<input type="checkbox"/>	test	0	123	0	<input checked="" type="checkbox"/>

von bis Fehler Lg Se Int Vw SW-Name Tol Ist Anzahl Opti

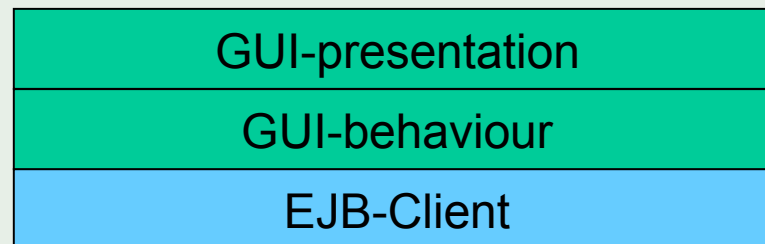
013 Die wild... - unde... 0 - unb... 0 - keine A...

Graphisch anzeigen ... Nacharbeit ☐ Speichern Ändern Löschen Schließen

Produktionsdaten gelesen.

learning by doing - day 15 - 20

- design of GUIs
using your preferred GUI-builder
- behaviour layer
herited object classes will be included from the GUI-Builder with Eclipse
- EJB-Clients
will partly be generated



learning by doing - day 21

most of your business logic lives in your Pathway servers, of course you can and you should use them further on.

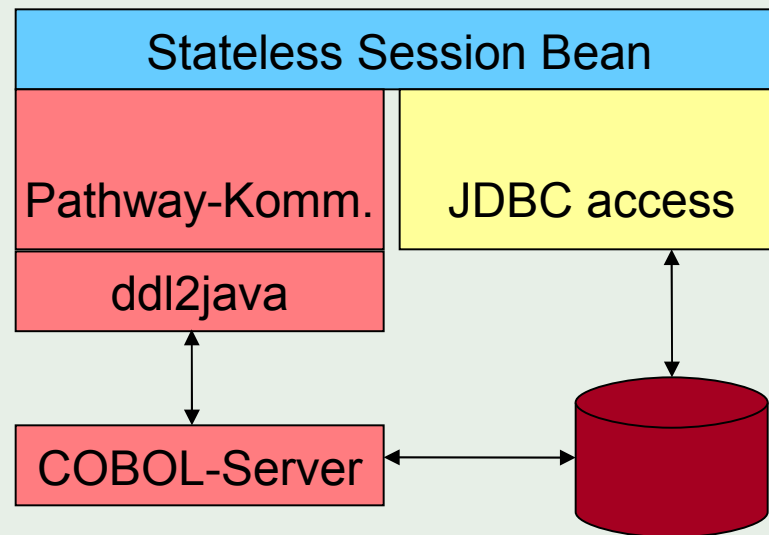
with DDLtoJAVA classes you can integrate existing Pathway servers into Java services

learning by doing - day 22 - 25

- Server Creation

adjustments for Servers will be done with Eclipse

compilations will be performed on a PC



learning by doing - day 26 - 28

- testing

your application is written in “pure Java”.
When you don't use DDLtoJAVA-class, the
application runs on every JVM
- for example on your PC

- installation

the Client application will be stored on a Webserver
and will be distributed via [Java Web-Start](#)

the Server application will be deployed onto the
Application Server

your guide: CommitWork GmbH

founded: 1997

located in: Dortmund, Germany



Customers:

- Rasselstein
- ThyssenKrupp Steel
- UPM (Nordland Papier)
- Vallourec Mannesmann

experience on Tandem since TNS I

applications: logistic and manufacturing

- **CommitWork's expertise**
since 10 years we are the scouts for exploring the “open” environment on NonStop, so we can give the best recommendations
- Java applications developed by **CommitWork** run since 2001 successfully on HP NonStop Servers
- **CommitWork** is convinced by the power of the new HP NonStop Servers for productive Java based apps
- **our promise:**
your employees get their first Java project successfully developed on a HP NonStop Server within 28 days

alternative traveling packages

Web based clients
in AJAX techniques
with Tomcat
on HP-NonStop Servers



alternative traveling packages

SASH stack solutions:

Rich clients

with

Web services

and

Tomcat on

HP-NonStop

servers



let's do it together !



you want to know more? Visit us.

for your first steps we have a pedometer for you
& live demos and additional information

Contact: kirschbaum@commitwork.de