



# LivingTalks v1.1

## LivingTalks:

The conference content management tool  
*The source code on your CD, explained*

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**Oliver Imbusch**

Living Pages Research GmbH, Munich



# Content

## Content:

- / What & why?
- / Live Demo!
- / Brief architecture...
- / Should you ever marry an EJB?
- / State of project & getting started from your CD



# What & Why?

## What *is* LivingTalks?

- / A content management tool for conferences
  - § Capture and manage content data (talks etc.)
  - § Publish the content for web and print media
- / A tool for distributed team work
  - § Entirely web-based
  - § Useful to find and optimize the content
  - § Semi-autonomuous sub parts



# What & why?

Why was it made?

- / Enterprise JavaBeans (EJB) demo project (e.g., for this conference's audience)
- / Checking-out container-managed persistence (CMP)
- / There are so many tools out there doing exactly the same! Really? ...
- / Conference is a low budget event ;-)



# Demo

The talk presents a life demo at this point.

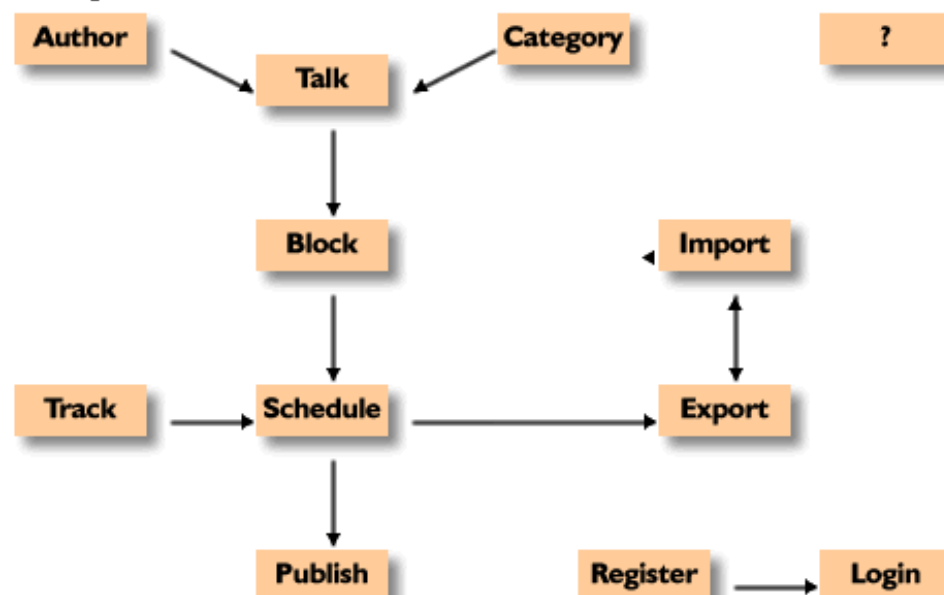
The slides has a series of screen-shots instead  
– following this slide.

## The LivingTalks conference management tool

This tool is licensed to the Net.ObjectDays 2000 conference to provide for an online facility to enter, update, administer and display the conference program's contents. A copy of this tool is given to all visitors of this conference. This copy (version 1.1) is under the GNU Public License (Open Source).

Features available may depend on the actual credentials a user provides for authentication.

Please proceed by choosing from the following features:



The direction of arrows represents the logical flow which work is done in. E.g., one would capture authors' data ahead of the time one would capture the talks' data. However, don't be afraid: you will be able to navigate freely in this work flow.

**Note:** This tool is running on a *Java 2 Enterprise Edition* compliant application server executing Enterprise JavaBeans (EJBs). A version in German language is not available.

# Talks

The following talks are available.

**New**

## In category: asci-invited

Invited talks for the scientific program. Mostly keynotes (15 talks)

	Key	State	Title	Authors	Speaker	Duration	last change by
<a href="#">Edit</a>	<a href="#">Computing_Fairy_Tale</a>	released	Computing Fairy Tales(or: What We All Know to be True)	<a href="#">[Henning, M]</a>	<a href="#">Henning, M</a>	60	<i>krudolph at 01.08.2000 13:59</i>
<a href="#">Edit</a>	<a href="#">Databases:_The_writi</a>	released	XML and Databases: The writing is on the wall and it has angled brackets	<a href="#">[Chaudhri, A]</a>	<a href="#">Chaudhri, A</a>	60	<i>krudolph at 07.08.2000 11:04</i>
<a href="#">Edit</a>	<a href="#">Designing_for_change.1</a>	released	Designing for change, a dynamic perspective	<a href="#">[Tilman, M]</a>	<a href="#">Tilman, M</a>	60	<i>krudolph at 01.08.2000 14:02</i>
<a href="#">Edit</a>	<a href="#">Dont_Swing_-_Ship</a>	released	Don't Swing - Shipping a Java Desktop Application with a Pure Native Feel	<a href="#">[Gamma, E]</a>	<a href="#">Gamma, E</a>	60	<i>krudolph at 21.09.2000 10:49</i>
<a href="#">Edit</a>	<a href="#">Enterprise_Java_and_</a>	released	The Role of Enterprise Java and EJBs in Corporate Computing	<a href="#">[Cathcart, M]</a>	<a href="#">Cathcart, M</a>	60	<i>krudolph at 18.09.2000 12:12</i>
<a href="#">Edit</a>	<a href="#">Keynote</a>	released	Keynote	<a href="#">[Carlson, B]</a>	<a href="#">Carlson, B</a>	60	<i>krudolph at 18.09.2000 12:13</i>
<a href="#">Edit</a>	<a href="#">Keynote_von_A._Goldb</a>	released	Collaborative Software Engineering	<a href="#">[Goldberg, A]</a>	<a href="#">Goldberg, A</a>	60	<i>krudolph at 02.10.2000 11:13</i>
<a href="#">Edit</a>	<a href="#">Keynote_von_Alan_Kay</a>	released	The Computer Revolution Hasn't Happened Yet	<a href="#">[Kay, A]</a>	<a href="#">Kay, A</a>	60	<i>krudolph at 24.08.2000 12:25</i>
<a href="#">Edit</a>	<a href="#">Object_components_a</a>	released	Object, components and contracts	<a href="#">[Meyer, B]</a>	<a href="#">Meyer, B</a>	60	<i>krudolph at 01.08.2000 14:14</i>
<a href="#">Edit</a>	<a href="#">Smalltalk_and_XML_</a>	released	Smalltalk and XML	<a href="#">[Robertson, J]</a>	<a href="#">Robertson, J</a>	60	<i>krudolph at 02.08.2000 10:33</i>

# Talk

Please, change or delete the following talk:

**Talk:** Computing\_Fairy\_Tale

**Title:**

**Category:**

**State:**

**Duration:**  min

**Authors:**

select the authors: & the speaker:

>>

>>

<<

(press change or add to refresh list)

**Homepage:**  (author-supplied URL to additional info about subject)

**Abstract:**

This talk presents a look at the software industry and the practices that are rampant therein, muses about the utility (or otherwise) of current-generation computer systems, and challenges some of the so-called "accepted wisdom" that is passed down from generation to generation of engineers. Currently, creation of software is not an engineering discipline but akin to alchemy; this talk presents some of the problems the industry will have to solve in order to be taken seriously (and suggests to abandon the search for the Philosopher's Stone of software engineering).



## Authors

The following 266 authors are available.

**New**

	Key	Name	Email	last change by
<a href="#">Edit</a>	<a href="#">Ackermann, R</a>	Ralf Ackermann		mweber at 14.06.2000 15:02
<a href="#">Edit</a>	<a href="#">Baar, T</a>	Thomas Baar	<a href="mailto:baar@ira.uka.de">baar@ira.uka.de</a>	krudolph at 28.06.2000 9:25
<a href="#">Edit</a>	<a href="#">Barberena Najarro, M</a>	Martha Barberena Najarro	<a href="mailto:martha.najarro@prakinf.tu-ilmenau.de">martha.najarro@prakinf.tu-ilmenau.de</a>	cbergmann at 20.06.2000 14:41
<a href="#">Edit</a>	<a href="#">Barchfeld, M</a>	Markus Barchfeld	<a href="mailto:markus.barchfeld@andrena.ch">markus.barchfeld@andrena.ch</a>	krudolph at 27.06.2000 9:02
<a href="#">Edit</a>	<a href="#">Bardt, S</a>	Sylvius Bardt	<a href="mailto:sylvius.bardt@questico.de">sylvius.bardt@questico.de</a>	krudolph at 01.08.2000 11:35
<a href="#">Edit</a>	<a href="#">Bassett, P</a>	Paul Bassett		krudolph at 21.09.2000 10:37
<a href="#">Edit</a>	<a href="#">Batory, D</a>	Don Batory	<a href="mailto:batory@cs.utexas.edu">batory@cs.utexas.edu</a>	hkrause at 24.06.2000 13:27
<a href="#">Edit</a>	<a href="#">Baus, C</a>	Christopher Baus	<a href="mailto:christopher@baus.net">christopher@baus.net</a>	smeyers at 01.09.2000 00:41
<a href="#">Edit</a>	<a href="#">Bayer, J</a>	Joachim Bayer	<a href="mailto:bayer@iese.fhg.de">bayer@iese.fhg.de</a>	aspeck at 19.09.2000 18:18
<a href="#">Edit</a>	<a href="#">Becker, G</a>	Günter Becker	<a href="mailto:guenter.becker@ifs-gmbh.de">guenter.becker@ifs-gmbh.de</a>	blenz at 17.06.2000 11:51
<a href="#">Edit</a>	<a href="#">Becker, M</a>	M. Becker	<a href="mailto:mbecker@informatik.uni-kl.de">mbecker@informatik.uni-kl.de</a>	hkrause at 24.06.2000 14:14
<a href="#">Edit</a>	<a href="#">Becker, T</a>	Thomas Becker	<a href="mailto:thomas@styleadvisor.com">thomas@styleadvisor.com</a>	smeyers at 01.09.2000 00:48
<a href="#">Edit</a>	<a href="#">Beissner, A</a>	Arnd Beissner	<a href="mailto:arnd.beissner@wearix.com">arnd.beissner@wearix.com</a>	krudolph at 15.09.2000 09:55
<a href="#">Edit</a>	<a href="#">Benze, J</a>	Jörg Benze	<a href="mailto:jbenze@controlware.de">jbenze@controlware.de</a>	cbergmann at 20.06.2000 14:28
<a href="#">Edit</a>	<a href="#">Berti, G</a>	Guntram Berti	<a href="mailto:berti@math.tu-cottbus.de">berti@math.tu-cottbus.de</a>	smeyers at 01.09.2000 00:57
<a href="#">Edit</a>	<a href="#">Beschoner, K</a>	Klaus Beschoner	<a href="mailto:beschorn@informatik.uni-tuebingen.de">beschorn@informatik.uni-tuebingen.de</a>	mweber at 14.06.2000 14:20
<a href="#">Edit</a>	<a href="#">Bleicher, S</a>	Stefan Bleicher		krudolph at 01.08.2000 11:24
<a href="#">Edit</a>	<a href="#">Blesa, M</a>	M. Josep Blesa	<a href="mailto:mjblesa@lsi.upc.es">mjblesa@lsi.upc.es</a>	aspeck at 19.09.2000 18:11
<a href="#">Edit</a>	<a href="#">Blinn, F</a>	Frank Blinn	<a href="mailto:Frank.Blinn@student-zw.fh-kl.de">Frank.Blinn@student-zw.fh-kl.de</a>	smeyers at 01.09.2000 00:56

## Author

Please, change or delete the following author:

**Author:** Ackermann, R

**Name:**   ( Title | **First name** | **Last name** )

**Address:**  ( Email | Affiliation )

( Mail address )

**Homepage:**


**Curriculum Vitae:**

## Talk categories (Types)

The following 17 categories are available. Any talk must be associated with exactly one such category. Each category has its own "editors in duty" who are authorized to administer talks of their category.

New

	Category	Editors in Duty	Description	Icon	HTML file	last change by
Edit	<a href="#">ascii-invited</a>	[bfranczyk] [hkrause] [krudolph]	Invited talks for the scientific program. Mostly keynotes	node00/images/cat-sci-invited.gif	node00/de/Conf/invited.html	falk at 19.08.2000 18:16
Edit	<a href="#">bind-invited</a>	[bfranczyk] [daedalos] [falk] [hbirow] [hkrause] [krudolph] [runland]	Invited talks from the industry in the non-scientific program	node00/images/cat-ind-invited.gif	node00/de/Conf/practical.html	falk at 28.09.2000 13:08
Edit	<a href="#">coding-camp</a>	[bfranczyk] [hbirow] [hkrause] [krudolph]	Practical experience sessions			falk at 19.06.2000 18:45
Edit	<a href="#">djek</a>	[bfranczyk] [falk] [hbirow] [hkrause] [krudolph] [runland]	Deutsche Java Entwickler Konferenz	node00/images/cat-djek.gif	node00/de/Conf/java.html#djek	falk at 19.08.2000 18:13
Edit	<a href="#">entrepreneur</a>	[bfranczyk] [hweissenbach] [krudolph]	Young Entrepreneurs Workshop	node00/images/cat-entrepreneur.gif		falk at 12.08.2000 22:04
Edit	<a href="#">gcse</a>	[krudolph] [runland]	Papers reviewed and accepted by the PC on Generative and Component-based Software Engineering	node00/images/cat-gcse.gif	node00/de/Conf/gcse.html	falk at 19.08.2000 18:14
Edit	<a href="#">indepth</a>	[bfranczyk] [hkrause] [krudolph] [runland]	In-depth discussion of selected topics	node00/images/cat-indepth.gif	node00/de/Conf/tutorial.html	falk at 19.08.2000 18:17
Edit	<a href="#">...</a>	[flanghammer] [krudolph]	Papers reviewed and accepted by the PC on Java and the Java	node00/images/cat-	node00/de/Conf/...	falk at 19.08.2000

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## Talk category

Please, change or delete the following category:

**Note:** *You may need additional privileges to modify this data!*

**Category name:**

**Editors in duty:**

**Description:**

**Category icon:**

**HTML file:**

*Note: The [RETURN]-key has no effect, always click the appropriate button!*

### Hints:

**Category name:** The category name will be something like one or two words, e.g. "java" or "Java reviewed"

**Editors in duty:** The *editors in duty* are names of the users who will be granted permission to modify talks of the given category. All usernames (or login names) must be concatenated using the "|" -character, eg. "mweber|runland". In simple cases where only one user is granted permission, the *editors in duty* will therefore be a login name, eg. "mweber".

**Description:** The description is a short description meant for things like tooltip help for the category icon.

**Category icon:** The URL of the icon printed along with each talk in the program belonging to this category; typically a small 16x16 or 32x16 .gif file. Relative URLs are relative to the conference root, ie. "images/catjavar.gif" and "http://net.objectdays.org/images/catjavar.gif" are the same. Use relative URLs whenever possible.

**HTML file:** The URL of the HTML file to load when a user clicks the category icon. Relative URLs are relative to the conference root.

## Blocks

The following 143 blocks are available.

[New](#)
[New session](#)
[New talk block](#)

	Key	Kind	Duration	Title	Talks	Speaker / Chair	last change by
<a href="#">Edit</a>	Industry	session	90 min	Framework	[DNAP:_Ein_Prozeß_zur] [IIOP-Application-Lev] [Component-Based_Prod]		krudolph at 21.09.2000 10:45
<a href="#">Edit</a>	Industry Session 7	session	90 min	Software development 1	[IVV] [learn_eXtreme_Progra] [neuen_Technologien_a]		krudolph at 30.09.2000 14:50
<a href="#">Edit</a>	break:Lunch short	break	60 min	Lunch			krudolph at 18.09.2000 11:21
<a href="#">Edit</a>	break:coffee	break	30 min	Coffee break			runland at 10.08.2000 22:32
<a href="#">Edit</a>	break:coffeeLong	break	60 min	Coffee break			falk at 30.09.2000 18:42
<a href="#">Edit</a>	break:lunchLong	break	120 min	Lunch			runland at 10.08.2000 22:31
<a href="#">Edit</a>	break:lunchNormal	break	90 min	Lunch			runland at 10.08.2000 22:31
<a href="#">Edit</a>	event:Empfang im Barock-Saal der Thüringer Staatskanzlei (auf Einladung)	event	120 min	Empfang im Barock-Saal der Thüringer Staatskanzlei (auf Einladung)			krudolph at 19.09.2000 10:58

## Block

Please, change or delete the following block:

Block:	Industry	
Title:	<input type="text" value="Framework"/>	Kind: <input type="text" value="session"/>
Speaker / Chair:	<input type="text" value="[No speaker or chair]"/> <input type="button" value="new speakers"/> <i>(press change or add to refresh list)</i>	Duration: <input type="text" value="90"/> min
Talk(s):	<div>select</div> <div><input type="text" value="Dummy_talk_(30_min)"/> Template_Programming Anforderungen_an_mod Applikationsserver_a</div> <div><input type="button" value="new talks"/> <input type="button" value="clear"/></div> <div><i>(press change or add to refresh list)</i></div>	
	<div>the talks:</div> <div><input type="text" value="DNAP:_Ein_Prozeß_zur"/> IIOP-Application-Lev Component-Based_Prod</div> <div><input type="button" value="clear"/></div>	
<div><input type="button" value="change"/> <input type="button" value="copy"/> <input type="button" value="delete"/> <input type="button" value="reset"/> <input type="button" value="cancel"/> <input type="button" value="clear"/> <input type="button" value="view"/> <input type="button" value="list"/></div>		

*Note: The [RETURN]-key has no effect, always click the appropriate button! This form requires javascript to work!*

### Hints:

**General:** Blocks are the items which make up the flow of a program, or more precisely a track. Typical blocks are individually scheduled talks (kind "talk") or sessions consisting of several talks (kind "session"). There is a shortcut to make blocks out of talks when you enter or change a talk. Enter a block after capturing data about all the necessary talks first.

**Block:** Provide a "speaking name" for the block or leave as is for automatic naming.

**Title:** The title of the block as printed on the document. Either **one talk or the title is mandatory!**





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## Tracks

The following 53 tracks are available.

New

	Key	Title	Date	Room	Layout	last change by
<a href="#">Edit</a>	<a href="#">1--1 Montag</a>	Tutorien 1 bis 4	09.10.2000		7:1+3	<i>krudolph at 27.09.2000 23:29</i>
<a href="#">Edit</a>	<a href="#">1--2 Montag</a>	Tutorien 5 bis 8	09.10.2000		8:1+3	<i>krudolph at 27.09.2000 23:29</i>
<a href="#">Edit</a>	<a href="#">1--3 Montagq</a>	Tutorien 9 bis 12	09.10.2000		9:1+3	<i>krudolph at 27.09.2000 23:29</i>
<a href="#">Edit</a>	<a href="#">1-01 Tutorials 1</a>	Tutorium 1	09.10.2000		7:1+0	<i>flanghammer at 08.08.2000 21:36</i>
<a href="#">Edit</a>	<a href="#">1-02 Tutorials 2</a>	Tutorium 2	09.10.2000		7:2+0	<i>flanghammer at 08.08.2000 21:37</i>
<a href="#">Edit</a>	<a href="#">1-03 Tutorials 3</a>	Tutorium 3	09.10.2000		7:3+0	<i>flanghammer at 08.08.2000 21:37</i>
<a href="#">Edit</a>	<a href="#">1-04 Tutorials 4</a>	Tutorium 4	09.10.2000		7:4+0	<i>flanghammer at 08.08.2000 21:38</i>
<a href="#">Edit</a>	<a href="#">1-05 Tutorials 5</a>	Tutorium 5	09.10.2000		8:1+0	<i>flanghammer at 08.08.2000 21:38</i>
<a href="#">Edit</a>	<a href="#">1-06 Tutorials 6</a>	Tutorium 6	09.10.2000		8:2+0	<i>flanghammer at 08.08.2000 21:38</i>
<a href="#">Edit</a>	<a href="#">1-07 Tutorials 7</a>	Tutorium 7	09.10.2000		8:3+0	<i>flanghammer at 08.08.2000 21:39</i>
<a href="#">Edit</a>	<a href="#">1-08 Tutorials 8</a>	Tutorium 8	09.10.2000		8:4+0	<i>flanghammer at 08.08.2000 21:39</i>
<a href="#">Edit</a>	<a href="#">1-09 Tutorials 9</a>	Tutorium 9	09.10.2000		9:1+0	<i>flanghammer at 08.08.2000 21:39</i>
<a href="#">Edit</a>	<a href="#">1-10 Tutorials 10</a>	Tutorium 10	09.10.2000		9:2+0	<i>flanghammer at 08.08.2000 21:40</i>
<a href="#">Edit</a>	<a href="#">1-11 Tutorials 11</a>	Tutorium 11	09.10.2000		9:3+0	<i>flanghammer at 08.08.2000 21:40</i>
<a href="#">Edit</a>	<a href="#">1-12 Tutorials 12</a>	Tutorium 12	09.10.2000		9:4+0	<i>flanghammer at 08.08.2000 21:40</i>
<a href="#">Edit</a>	<a href="#">2--1 Keynotes Dienstag 1+2+3+4</a>	Tracks 1 bis 4	10.10.2000		1:1+3	<i>flanghammer at 27.09.2000 23:28</i>
<a href="#">Edit</a>	<a href="#">2--2 Dienstag</a>	Tracks 5 bis 8	10.10.2000		2:1+3	<i>krudolph at 27.09.2000 23:28</i>
<a href="#">Edit</a>	<a href="#">2--2 Dienstag Track 6,7,8</a>	Tracks 6 bis 8	10.10.2000		2:2+2	<i>krudolph at 27.09.2000 23:28</i>
<a href="#">Edit</a>	<a href="#">2--2 Keynotes Dienstag 1+2</a>	Tracks 1 und 2	10.10.2000		1:1+1	<i>flanghammer at 27.09.2000 23:27</i>

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## Track

Please, change or delete the following track:

Track name:	1--1 Montag	
Title:	<input type="text" value="Tutorien 1 bis 4"/>	
When and where:	<input type="text" value="09"/> . <input type="text" value="10"/> . <input type="text" value="2000"/> ( Date [DD.MM.YYYY] ) in: <input type="text"/> ( room )	
Layout:	Page: <input type="text" value="7"/> @column: <input type="text" value="1"/> + <input type="text" value="3"/> additional columns	
	<input type="button" value="change"/>	<input type="button" value="copy"/> <input type="button" value="delete"/> <input type="button" value="reset"/> <input type="button" value="cancel"/> <input type="button" value="clear"/> <input type="button" value="view"/> <input type="button" value="list"/>

*Note: The [RETURN]-key has no effect, always click the appropriate button!*

### Hints:

**Track name:** Provide a speaking name for the track, e.g., "mon #01". **Mandatory!**

**Title:** Provide the title of the track. The title appears in the published program as the track column header.

**When and where:** Specify the date and the room name where the blocks scheduled in this track take place, e.g., "09.10.2000" in: "Saal Zeiss A".

**Layout:** In the published program, each track is typically formatted into one column. Here you specify the *page* number (starting at 1) and the number of this *column* (starting at 1 on each new page). In a layout with horizontal flow of time this number would actually represent the number of a row. Please read the term "*column*" in this abstract manner. A track spanning multiple columns as is typical for keynote speeches etc., will use 1 or more subsequent and adjacent "*additional columns*". Ordinary tracks have "0" additional columns. Please note that it is your responsibility to place only as many tracks per page as do actually fit. This means that you would possibly have to use multiple pages for a single day or to arbitrarily split tracks into two to express concepts such as a morning and an afternoon program.

The actual layout is computed from a customizable XSL-stylesheet during publishing using the information you have specified here.

Example: Page: "6" @column: "2" + "0" additional columns.



## Program schedule items

The following 178 program schedule items are available.

**New**

		Block	in Track	starts	last change by
<b>Edit</b>	<a href="#">view</a>	other:Registration	1--1 Montag	8:00	krudolph at 10.08.2000 16:44
<b>Edit</b>	<a href="#">view</a>	break:coffee	1--1 Montag	10:30	krudolph at 09.08.2000 12:59
<b>Edit</b>	<a href="#">view</a>	break:lunchLong	1--1 Montag	12:30	krudolph at 09.08.2000 13:07
<b>Edit</b>	<a href="#">view</a>	break:coffee	1--1 Montag	16:00	krudolph at 09.08.2000 13:02
<b>Edit</b>	<a href="#">view</a>	event:Smalltalk-Abend u.a. David Simons (Messe)	1--1 Montag	19:00	krudolph at 19.09.2000 11:14
<b>Edit</b>	<a href="#">view</a>	event:Empfang im Barock-Saal der Thüringer Staatskanzlei (auf Einladung)	1--1 Montag	20:00	krudolph at 19.09.2000 11:34
<b>Edit</b>	<a href="#">view</a>	other:Registration	1--2 Montag	8:00	krudolph at 10.08.2000 16:45
<b>Edit</b>	<a href="#">view</a>	break:coffee	1--2 Montag	10:30	krudolph at 09.08.2000 13:01
<b>Edit</b>	<a href="#">view</a>	break:lunchLong	1--2 Montag	12:30	krudolph at 09.08.2000 13:08
<b>Edit</b>	<a href="#">view</a>	break:coffee	1--2 Montag	16:00	krudolph at 09.08.2000 13:07
<b>Edit</b>	<a href="#">view</a>	event:Smalltalk-Abend u.a. David Simons (Messe)	1--2 Montag	19:00	krudolph at 19.09.2000 11:15
<b>Edit</b>	<a href="#">view</a>	event:Empfang im Barock-Saal der Thüringer Staatskanzlei (auf Einladung)	1--2 Montag	20:00	krudolph at 19.09.2000 11:35
					krudolph at 10.08.2000

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## Program schedule item

, change or delete the following schedule item:

place the Block:

into Track:

at:

session:Grundlagen und Anwendungen von XML und dem Web

2-03 Dienstag 3

11:30

session:Grundlagen und Anwendungen von XML und dem Web

(hh:mm)

session:Java 2 Enterprise Edition

new tracks

session:Java Language

session:Language Methodologies and Programming Practice

session:Multimedia-Anwendungen

session:Netzwerkmanagement/ Netzwerdesign

session:Neue Tendenzen Java / EJB 1

session:Neue Tendenzen Java / EJB 2

session:Neue Tendenzen Java / EJB 3

session:OR Mapping

session:Queries

RM-key has no effect, always click the appropriate button!

entire program.

[top](#) [cats](#) [authors](#) [talks](#) [blocks](#) [tracks](#) [schedule](#) [publish](#) [logout](#) [falk](#) ?

## Publishing

Please, select the items you want to publish.

A full publishing operation will involve all five publishing options because the generated documents may contain hyperlinks which refer each other.

Depending on the installation properties of the tool, it may be sufficient to just click "**update**" to make the new content visible on the publishing webserver. This is the case where the tool's publishing directory is identical to the website's, or where the website's publishing directory uses symbolic links to refer to the generated content (Unix only). The publishing operation then is just a single click.

Whenever this is not possible (eg., where tool and website run on different machines) or not recommended (eg., for reasons of security) one must download the archive file from this page.

The archive file may be generated from previously produced content, by clicking on "**archive**".

**Notice:** When inspecting HTML from this page, be aware that the HTML page's base is not that of its final destination! The consequences may range from broken links to completely unreadable chaos when images, stylesheets, scriptfiles or frames cannot be included.

As a consequence, inspecting HTML files *is not recommended*! Download the archive file instead and deploy its contents to a meaningful destination for proper inspection (or printing) instead.

### Formatting options:

- ☐ ( Mark in order to **only** generate inner html with no navigation etc. )
- ☐ ( Mark in order to **also** generate talks with "draft" state )
- ☐ ( Mark in order to **not** generate talks with both missing "paper" and "slide" )

### Print & Overview:

- ☐  [view XML file \(version since last update\)](#)
- ☐  [view printing HTML \(version since last update\)](#)
- ☐  [view overview HTML \(version since last update\)](#)
- ☐  [view Netscape overview \(version since last update\)](#)

width ×  height [pixels] column-width × row-height in overview chart

- ☐ double-page?  page-no. mark whether page shall be printed on two pages, and number of page which to make HTML files for (leave empty for all pages)
- ☐ authors in sessions?  title-length mark whether sessions shall list names of authors, and a maximum length [characters] of titles of talks (leave empty for no such limit)

```
<?xml version="1.0" encoding="ISO-8859-1" ?>
- <overview>
- <pages>
  - <page>
    <number>1</number>
  - <columns>
    - <column>
      <number>1</number>
    - <tracks>
      - <track>
        <key>2--1 Keynotes Dienstag 1+2+3+4</key>
        <editor>flanghammer</editor>
        <timestamp>27.09.2000 23:28</timestamp>
        <title>Tracks 1 bis 4</title>
        <date>10.10.2000</date>
        <room />
        <trackCol>1</trackCol>
        <extraTrackCols>3</extraTrackCols>
        <page>1</page>
      - <blocks>
        - <block>
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          <editor>hkrause</editor>
          <timestamp>16.08.2000 21:30</timestamp>
          <duration>30</duration>
          <blockType>other</blockType>
          <title>Opening</title>
          <talkList />
          <startTime>08:30</startTime>
          <stopTime>09:00</stopTime>
          <rasterStart>510</rasterStart>
          <rasterLength>30</rasterLength>
        </block>
        - <block>
          <key>keynote:Keynote 1</key>
          <editor>flanghammer</editor>
          <timestamp>08.08.2000 22:45</timestamp>
          <duration>60</duration>
```

# NET.OBJECTDAYS 2000

I. vereinigte GI Fachtagung "Objektorientierte Programmierung für die vernetzte Welt" aus • JAVADAYS • STJA • JIT

10.10.2000

## Track 1

## Track 2

## Track 3

## Track 4

08:30 Opening (30 min)

09:00 Keynote: *Java and XML 1+1 equals 3!* (60 min)  
Simon Phipps (SUN)

10:00 Keynote: *The Computer Revolution Hasn't Happened Yet* (60 min)  
Alan Kay (USA)

11:00 Coffee break (30 min)

11:30 Session: *Testing*

11:30 **Class Mutation: the Mutation Testing Method for Object-Oriented Programs** John A. Clark et al. (University of York)

12:00 **Ein Framework zur Ausnahmebehandlung in mehrschichtigen Softwaresystemen** Christoph Knabe (Technische Fachhochschule Berlin)

12:30 **Tempto - An Object-Oriented Test Framework And Test Management Infrastructure Based On Fine-Grained XML-Documents** Rainer Krautter et al. (debis Systemhaus Industry GmbH)

11:30 Session: *Architectures*

11:30 **Einbettung von Java-Komponenten in WWW-Browser: Ein Erfahrungsbericht** Clemens Dürmeier et al. (Institut für Angewandte Informatik, Forschungszentrum Karlsruhe)

12:00 **Untersuchungen zur Implementierung von Java-Laufzeitumgebungen für eingebettete Systeme** Wolfgang Rosenstiel et al. (Universität Tübingen)

12:30 **The Event Desktop: Extending the World Wide Web with Events**

11:30 Session: *Grundlagen und Anwendungen von XML und dem Web*

11:30 **Ein Konzept zur Spezifikation von XSL-Transformationen und dessen Anwendung bei Bank selbstbedienungssystemen** R. Depke et al. (Universität Paderborn)

12:00 **Konzeption eines XML-fähigen Mailtools** Marc Lohmann et al. (Universität Paderborn)

12:30 **A Smart Client Architecture for eBusiness Applications** Albert Euba et al. (Sulzer eCommerce Team)

11:30 Session: *Software development 2*

11:30 **Refactoring the Unified Software Development Process** Jutta Eckstein

12:00 **RUP und eXtreme Programming - Passt das zusammen?** Markus Barchfeld et al. (Andrena Objects GmbH)

12:30 **Softwareentwicklungsprozess und schnelles Internet: Wie passen Rational Unified Process und E-Commerce zusammen?** Holger Dörnermann (Rational)

13:00 Lunch (90 min)


14:30 Message of Greeting, Franz Schuster, Minister for Economic Affairs, Thuringia (30 min)

15:00 Keynote: *Object, components and contracts* (60 min)  
Bertrand Meyer (USA, F)

16:00 Coffee break (30 min)



## Class Mutation: the Mutation Testing Method for Object-Oriented Programs

 **11:30 - 12:00** at **10.10.2000**, in track "*Track I*"  
[in session "*Testing*" starting at **11:30** ]

John A. Clark (University of York)  
Sunwoo Kim (University of York)  
John A. McDermid (University of York)


### Published paper (.PDF)

#### Abstract:

The mutation method tests programs by examining a set of alternate programs (mutants) of the original program. We have extended the mutation testing method to be applicable for OO programs. The method, termed Class Mutation, is a form of OO-directed selective mutation testing that focuses on plausible flaws related to the unique features in OO (Java) programming. This paper introduces the Class Mutation technique and describes the results of the case study performed to verify the technique.

[Go to top of page](#)

## Experience with the UML/OCL-Approach to Precise Software Modeling: A Report from Practice

 **17:00 - 17:30** at **10.10.2000**, in track "*Track I*"  
[in session "*Software Specification and Management in Practice*" starting at **16:30** ]

Thomas Baar (Universität Karlsruhe)

### Published paper (.PDF)

#### Abstract:

This paper is concerned with the practical usability of the Object Constraint Language (OCL). Pitfalls for untrained persons are uncovered, and strategies for avoiding them are discussed. These strategies are not restricted to OCL-specific problems but give insights how to handle formal specification, modeling, implementation, and verification issues within a single framework. The implementation of the identified strategies and their integration into a widely used commercial CASE tool is currently under way within the KeY project.

[Go to top of page](#)

## Ein Framework zur Ausnahmebehandlung in mehrschichtigen Softwaresystemen



# Brief architecture

- / J2EE-compliant server (Sun's reference implementation)
- / Web server, JSPs, EJBs, RDBMS
- / Container-managed persistence (CMP)
- / => Pre-defined database scheme
- / Entity-beans and Façade with cache
- / XML-based publishing and im-/export
- / XSLT and CSS-based rendering



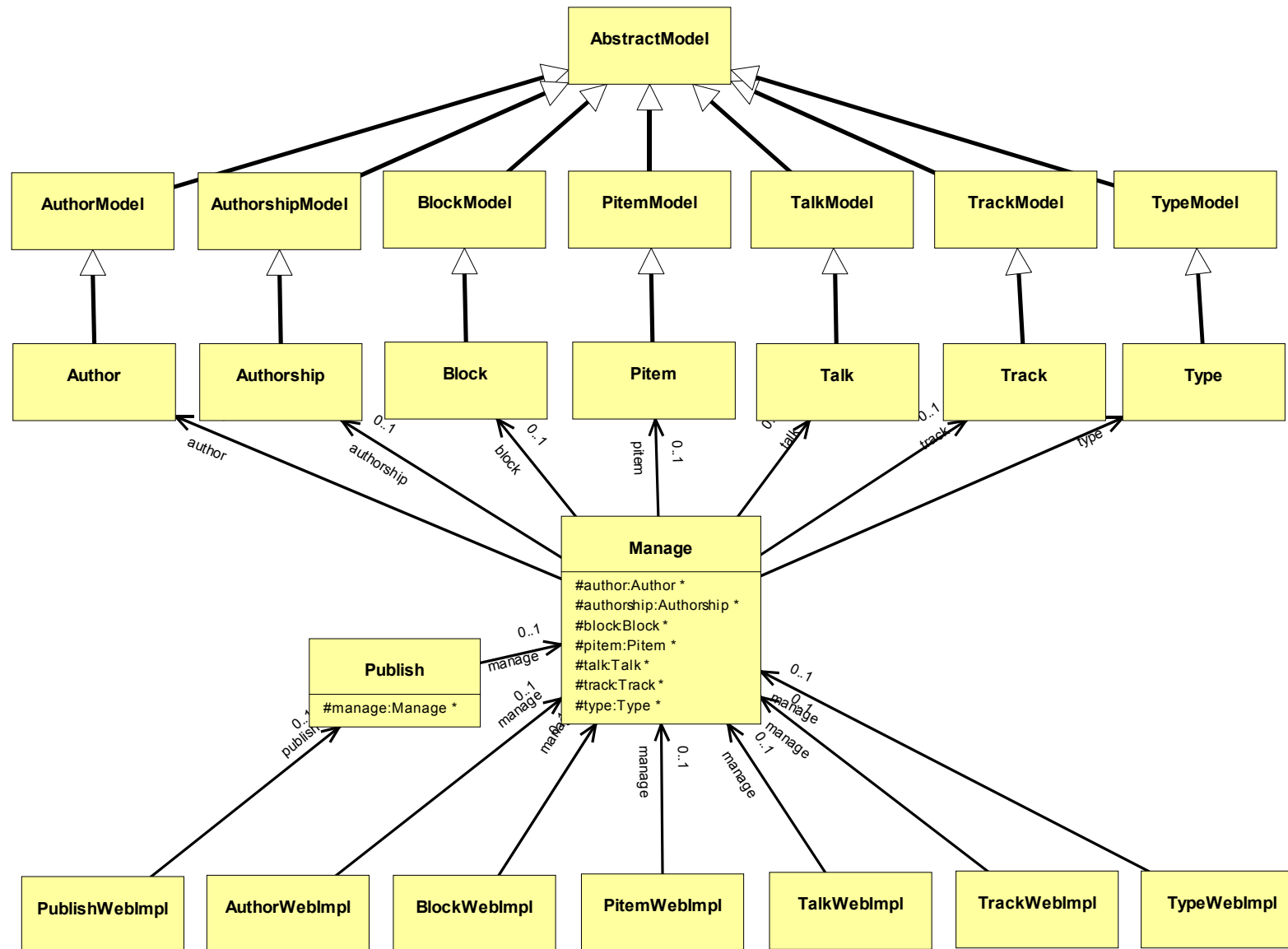
# Architecture: Use case diagram







# Architecture: Class diagram





# Architecture: Summary

- / Persistence: 7 Entity beans with CMP
- / Façade: 1 Stateless session bean
- / Master view: Using cache for „Short model“
- / Publishing: 1 Stateful session bean & XML
- / GUI: 15 Java Server Pages & 6 JavaBeans
- / Model-View-Controller: No centralized MVC!



# Should you ever marry an EJB?

...or: Lessons learned

- / EJB 1.1 is not yet a robust architecture
- / Plenty of pitfalls
- / Deployment descriptor carries semantics
- / Master views with CMP almost impossible
- / Transaction semantics & database is critical
- / Still better than Fat Client SQL architectures

...CMP bites object-oriented design...



# Lessons learned cont'd

Performance, Performance, Performance

/ Only *after* we did the following:

/ Transaction state of stateless façade to **Supports**

§ not recommended by Sun

§ Without: 3 hours and 300 MB rather than 5 min and 3 MB!

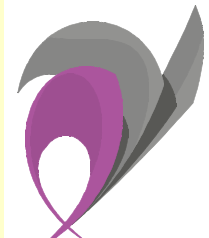
/ Caching of entity bean state in **static classes**

§ forbidden by Sun, will fail with multiple VMs

§ Without: 2 min rather than 5 sec response time!

We recommend by-passing the EJB tier with JSPs and JDBC for fast read-only master views.

Entity beans do ***not*** act as a cache to the DB – but they definitely should!!



# State of project

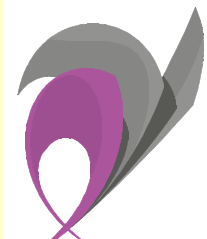
LivingTalks v1.1 is released

Open source under the GPL

Cooperation welcome

Ideas for version 2:

- § BMP and remodelling
- § Support for open source J2EE servers
- § Features supporting Call for Paper submissions and reviews (self-registration)
- § Features supporting more informal content management and conference registration





# Getting started from your CD

- / The conference CD contains the full project
- / **WARNING:**
  - / The files on the CD have all minor case file names. This is a mistake! (You may not notice while only browsing under Windows)
  - / The archive also on this CD contains a copy of all files with correct case file names.
- => Copy the CD's archive, not the CD's directories.
- / We now show You where to find the stuff on the CD:

(Start at <CD:>\livingtalks-v1.1\index.html or  
<CD:>\cdrom\software\livingtalks-v1.1.zip)

## NET.OBJECTDAYS 2000

### Net. ObjectDays 2000 CD-ROM: Navigation

#### Infos (auf dieser CD)

Hauptseite dieser CD  
Weitere Infos zur CD  
Zur Installation von Viewer  
Software

#### Inhalt (auf dieser CD)

##### 2000

#### Beiträge des Tagungsbandes

Abzug der Website  
(vom 27.9.00)

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#### Übersicht

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5.STJA Homepage

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# NET.OBJECTDAYS 2000

Net.ObjectDays : CD-ROM

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Für Autoren  
Für PC Mitglieder  
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Interne Organisation  
Unterkonferenzen  
Links  
Archiv  
Kontakt  
Suche  
Sitemap  
Site info



NET.OBJECTDAYS 2000

Net.ObjectDays 2000 CD

Willkommen auf der begleitenden CD zum Tagungsband!



**NET.OBJECTDAYS 2000****Net. ObjectDays 2000**  
**CD-ROM: Navigation****Infos** (auf dieser CD)

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Weitere Infos zur CD  
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**Inhalt** (auf dieser CD)**2000****Beiträge des**  
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# LivingTalks homepage (version 1.1)

LivingTalks v1.1 is a conference content management tool under the open source license. It is based on Enterprise JavaBeans and runs with Sun's reference implementation.

**Erratum:** The extracted files which may be found on the CD-ROM of the Net.ObjectDays 2000 conference have one problem: most *file names have a wrong case!* The archive on the same CD contains a copy of all files with correct file names!

The original location of this page is <http://www.livis.de/projects/livingtalks>

## Select from the following links

- **Download** archive [livingtalks-v1.1.zip](#) (2.4 MB)  
this and all following files are part of this archive:
- View [Readme](#)
- View [License terms](#)
- View the [installation guide](#)
- View the [user's guide](#)
- View the [online help page](#)
- View the [programmer's guide](#)
- View the [API doc](#) for the Java classes
- View the [development project page](#)

The tool has been used by the following conference(s):

- [Net.ObjectDays 2000](#)

The following image may give you a first idea about what the tool is all about...





**NET.OBJECTDAYS 2000**

**Net. ObjectDays 2000**  
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# LivingTalks v1.1

**Project:** Living Talks Web Conference Tool

**Author:** Oliver Imbusch and Falk Langhammer

**Company:** Living Pages Research GmbH

**Description:**

Living Talks Web Conference Tool using J2EE standards

## Things to do...

- Implement phase 0 business logic:  
Draft submission, reviewing, auditing, paper submission...
- Make source support multiple EJB vendors
- ...

## Note:

This file is the project note file which belongs to a [project definition](#) usable by the free JBuilder 3.5 foundation edition

## For users of any development environment:

- The source code is in directory [./src/](#)
- The documentation is in directory [./doc/](#)
- The class files are in directory [./classes/](#)
- The required Xalan library (XSLT processor) is in the archive [../livingtalks.ear](#) (open with jar or WinZIP 8.0) as file `library/xalan.jar`
- The required Xerces library (XML parser) is in the archive [../livingtalks.ear](#) (open with jar or WinZIP 8.0) as file `library/xerces.jar`
- The required FlabesUtils1 library (various helper classes) is in the archive [../livingtalks.ear](#) (open with jar or

**NET.OBJECTDAYS 2000**

**Net. ObjectDays 2000**  
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[All Classes](#)**Packages**[com.livis.livingtalks.cl](#)[com.livis.livingtalks.ej](#)[com.livis.livingtalks.m](#)[com.livis.livingtalks.w](#)[com.livis.livingtalks.xr](#)**All Classes**[AbstractModel](#)[Agenda](#)[Author](#)[AuthorEJB](#)[AuthorHome](#)[AuthorModel](#)[Authors](#)[Authorship](#)[AuthorshipEJB](#)[AuthorshipHome](#)[AuthorshipModel](#)[AuthorWebImpl](#)[Block](#)[BlockEJB](#)[BlockHome](#)[BlockModel](#)[BlockWebImpl](#)[CachingAuthorHandle](#)[CachingAuthorshipHa](#)[CachingBlockHandle](#)[CachingEntityHandler](#)**Overview** Package Class Use [Tree](#) [Deprecated](#) [Index](#) [Help](#)[PREV](#) [NEXT](#)[FRAMES](#) [NO FRAMES](#)**Packages**[com.livis.livingtalks.client](#)[com.livis.livingtalks.ejb](#)[com.livis.livingtalks.model](#)[com.livis.livingtalks.web](#)[com.livis.livingtalks.xml](#)**Overview** Package Class Use [Tree](#) [Deprecated](#) [Index](#) [Help](#)[PREV](#) [NEXT](#)[FRAMES](#) [NO FRAMES](#)



## Local Applications:

- LivingTalks
  - ManagerJar
    - AuthorshipBean
    - AuthorBean
    - BlockBean
    - PublishBean
    - TalkBean
    - TrackBean
    - TypeBean
    - ManageBean**
    - PitemBean
  - Web
    - JSPs
    - Export feature

## Inspecting: LivingTalks.ManagerJar.ManageBean

**General** Entity Environment EJB References Resource Ref's Security Transactions

## Enterprise Bean Class:

com.livis.livingtalks.ejb.ManageEJB

## Home Interface:

com.livis.livingtalks.ejb.ManageHome

## Remote Interface:

com.livis.livingtalks.ejb.Manage

## Enterprise Bean Display Name:

ManageBean

## Description:

The ManageBean is the main bean any client application will deal with.  
It acts as a facade to all entity beans which must not be interacted with directly.

## Bean Type

☐ Entity☒ Session☒ Stateless☐ Stateful

## Icons

Small Icon (16x16):

 ...

Large Icon (32x32):

 ...

## Servers:

ejb.living-pages.de

## Server Applications:

LivingTalks

Undeploy



# LivingTalks v1.1

THANK YOU FOR YOUR ATTENTION

[livingtalks@livis.de](mailto:livingtalks@livis.de)