

Release 4.0

CaptainCasa - History

- 2007 Start of CaptainCasa Community
 - Goal: rich client infrastructure for heavily-used, non-trivial, long-scoped Business Applications
- Continuous, concentrated Development of CaptainCasa Enterprise Client:
 - 2008 Release 1.1
 - 2009 Release 2.0, 2.5
 - 2010 Release 3.0
- Today
 - 2011 Release 4.0
 - hundreds of productive Installations

CaptainCasa - Today

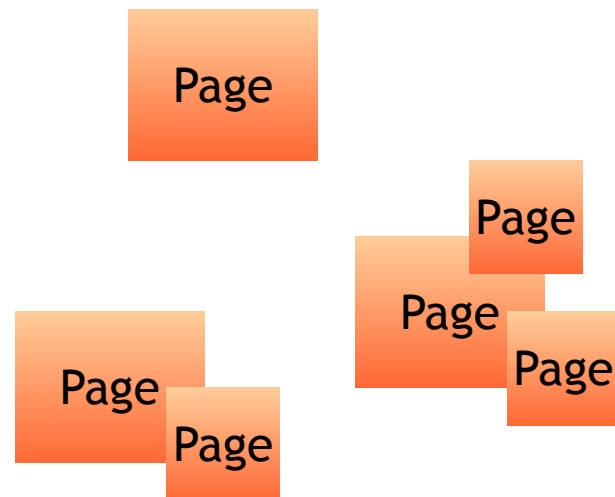
- The focus of CaptainCasa Enterprise Client remains stable in the mid of the hype-driven world of Frontend Technologies:
 - Fast, reliable, nice looking frontends that are runnable & distributed through the Internet
 - High level of efficiency at design time and run time - fast go-to-market of application solutions
 - Long term availability and support - solid architecture, based on standards
- More and more community members support SaaS models for distributing their application
 - CaptainCasa Enterprise Client is optimally suited as frontend for SaaS Applications

Release 4.0 - Summary

- **Workplace Management**
...arranging different parts of an application in order to form a flexible, user-centric workplace
 - **New Components, updated Components**
...so many new components and updates to the control library...
 - **Mobile-Support**
...supporting simple scenarios by a specific set of HTML controls
 - **Active Frontend Notification by Server**
...pushing events from the server to the frontend
 - **Toolset Enhancements**
...making life easier for the developers
- ...and many, many updates that are listed within our change log.

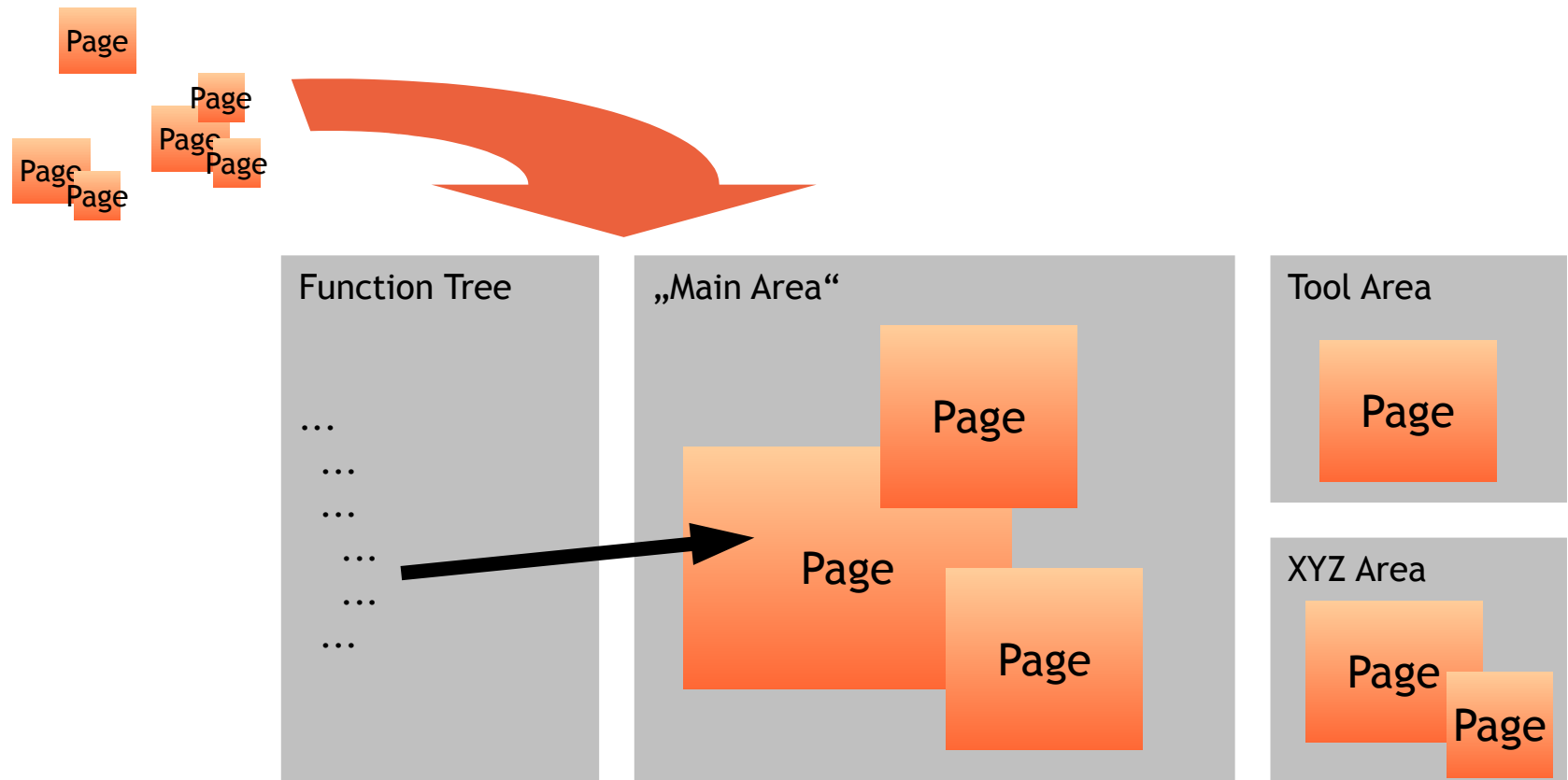
Workplace Management

- Typical Developer Output
 - Content Pages
 - Content Page Scenarios
(Several pages, tightly coupled)



Workplace Management

- The Workplace Management binds these content pages into a user-centric, flexible workplace



Workplace Management

The screenshot displays the CaptainCasa Demo Workplace interface. On the left is a 'Components' sidebar with categories like 'New Functions', 'Containers', 'Grids & Trees', and 'General'. The main area is titled 'Demo Budget' and contains a grid with columns for 'Staff', 'Office', 'IT', 'Other', 'Leisure', 'Pleasure', 'Company Cars', and 'Donuts'. A tree view is overlaid on the grid, showing a hierarchy of categories like 'Board', 'Production', 'Sales', 'Development', and 'Marketing'. A text box explains that numbers entered in the grid are automatically accumulated up the tree. To the right is a 'Mini Spreadsheet' with columns for 'Region', 'Revenue', 'Cost', and 'Profit'. At the bottom right is an 'Inbox' showing a list of items with status 'OPEN' and titles like 'Test Hello World'.

Example: Demo Workplace

Workplace Management

- Each Content Page that is started within a workplace tile runs within its isolated context
 - Multiple content pages of same type can run in parallel (e.g. processing several orders in parallel)
- Workplace layouts are stored as so called „Perspective“
 - Perspective == Layout + default functions to start for the user
 - You can provide several perspectives to your user(s)
 - Users can update/create perspectives by simply dragging and dropping

Workplace Management

- Development Effort
 - Developing Pages automatically means that you automatically can include these pages into the Workplace Management.
 - Integration of pages is done either by configuration (XML) or by program (API)
- **Result: the Development Effort for building flexible user workplaces is drastically reduced.**



New/Updated Components

Grid with column spanning

Title	First Name	Last Name
Cost Center 0		
Dr	First 0	Last 0
Dr	First 1	Last 1
Dr	First 2	Last 2
Dr	First 3	Last 3
Dr	First 4	Last 4
<input type="checkbox"/> 5 persons listed above		
Cost Center 1		
Dr	First 0	
Dr	First 1	
Dr	First 2	
Dr	First 3	
Dr	First 4	
<input type="checkbox"/> 5 persons listed above		
Cost Center 2		
Dr	First 0	
Dr	First 1	

Grid with fix columns

Id	Last Name	First Name	Last Name	Street
0	Last 0	First 0	Last 0	Street 0
1	Last 1	First 1	Last 1	Street 1
2	Last 2	First 2	Last 2	Street 2
3	Last 3	First 3	Last 3	Street 3
4	Last 4	First 4	Last 4	Street 4
5	Last 5	First 5	Last 5	Street 5
6	Last 6	First 6	Last 6	Street 6
7	Last 7	First 7	Last 7	Street 7
8	Last 8	First 8	Last 8	Street 8
9	Last 9	First 9	Last 9	Street 9
10	Last 10	First 10	Last 10	Street 10
11	Last 11	First 11	Last 11	Street 11
12	Last 12	First 12	Last 12	Street 12
13	Last 13	First 13	Last 13	Street 13
14	Last 14	First 14	Last 14	Street 14

Text	Description
Text 0	Description 0
Text 1	Description 1
Text 2	Description 2
Text 3	Description 3
Text 4	Description 4
Text 5	Description 5
Text 6	Description 6

Individual row heights

New/Updated Components

Grid <==> Excel Connectivity

The screenshot illustrates the process of exporting data from a grid to an Excel file. On the left, a grid displays data for four regions: North, East, South, and West, with their respective Revenue values. A 'Text Search' dialog box is overlaid on the grid, and the 'Excel Export (xlsx)' option is selected. An arrow points from this option to an Excel spreadsheet on the right, which contains the same data. The Excel spreadsheet has columns for Region, Revenue, Cost, and Profit, with data for each region.

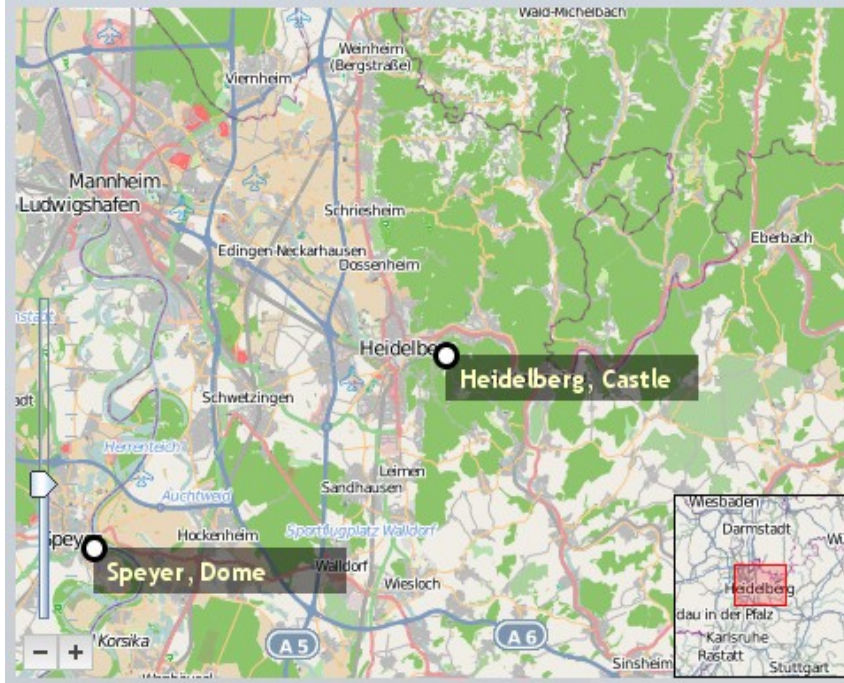
Region	Revenue	Cost	Profit
North	0,00	0,00	0,00
East	100,00	0,00	100,00
South	0,00	299,00	-299,00
West	111,00	22,00	89,00
	211,00	321,00	-110,00

- Direct Creation of Excel Files out of Grid
- Copy & Paste via Clipboard

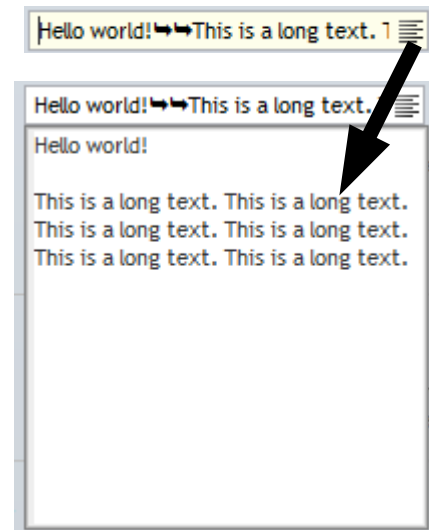
New/Updated Components

Open Street Map OSM

Name of Location	Latitude	Longitude	
Heidelberg, Castle	49,411112809289975	8,715119361877441	Remove
Speyer, Dome	49,31717765464028	8,442220687866211	Remove



Multi line field ...on request

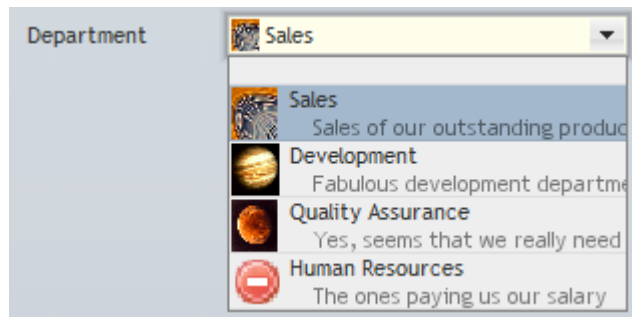


Smart Label

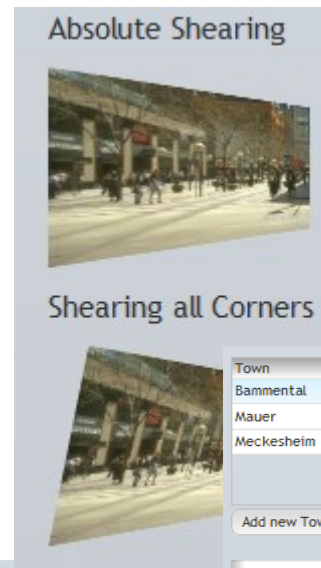
Sehr wichtig
 Sehr wichtig
 Et was hochgestellt
 Et was tiefgestellt

New/Updated Components

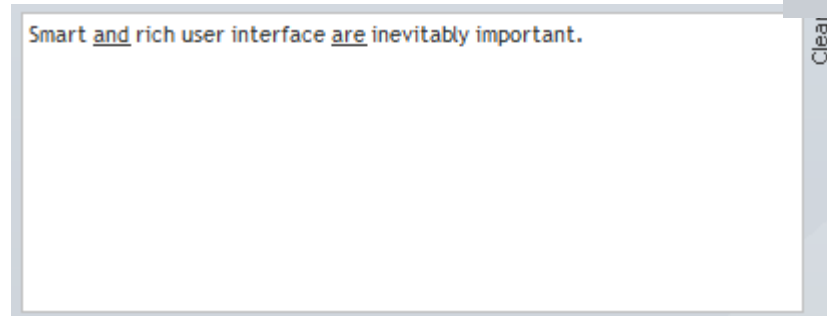
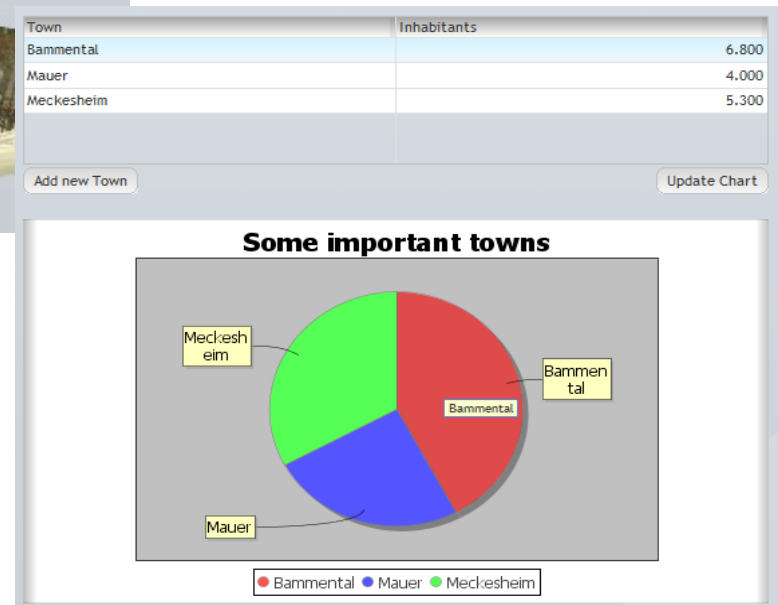
Image / Multi Line Combobox



Shearing



Interactive Charts / Graphics



Smart Text Area
(e.g. for syntax checks)



New/Updated Components

- Screen Grabber
 - ...lets the user take screenshots from the client + transfers the screen shot to the server
 - Ideal e.g. for feedback on application errors
- Connectivity to Client Devices
 - Serial Connector
 - Socket Connector
 - http-Connector

...and many, many more improvements: please check the Change Log.



Mobile Support

- Efficient Creation of pages for mobile devices
 - iPhone
 - Android
 - Windows ME, 7
 - ...
- Rendering in straight HTML with “little JavaScript”



Mobile Support

- Complete re-use of CaptainCasa Toolset

The screenshot shows the CaptainCasa Layout Editor Toolset interface. The main window displays a JSP page titled "workplacepa/listoforders.jsp". The page content is a table with the following data:

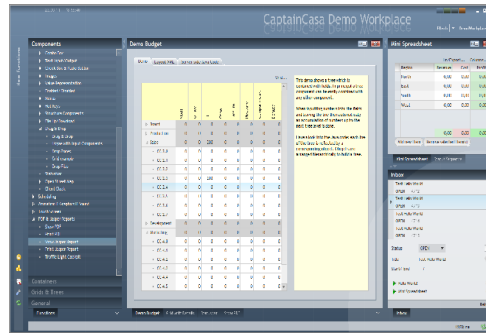
ID	Supplier	Price	Items
47110	Supplier 0, Heidelberg	0 €	0 Items
47111	Supplier 1, Heidelberg	1 €	1 Items
47112	Supplier 2, Heidelberg	2 €	2 Items
47113	Supplier 3, Heidelberg	3 €	3 Items
47114	Supplier 4, Heidelberg	4 €	4 Items
47115	Supplier 5, Heidelberg	5 €	5 Items
47116	Supplier 6, Heidelberg	6 €	6 Items

The interface includes a project browser on the left showing the file structure, a top menu bar with options like File, Edit, Tools, Save, Refresh Preview, Preview..., Run..., and Reload Server, and a right-hand panel with tabs for Bean Browser, Code Generator, Resources, and Runtime Configura. The Bean Browser shows Managed Server Beans with columns for Name and Type.

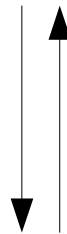
Managed Server Beans	Type
wp	Dispatcher
wi	IndDispatcher
pos	POSDispatcher

At the bottom, there is a Messages panel showing a message: "Problems when reading and parsing the JSP file".

Active Frontend Notification



Default:
Frontend Event
triggers
roundtrip



Active Frontend Notification:
A server side event triggers an
update of the frontend.



Server

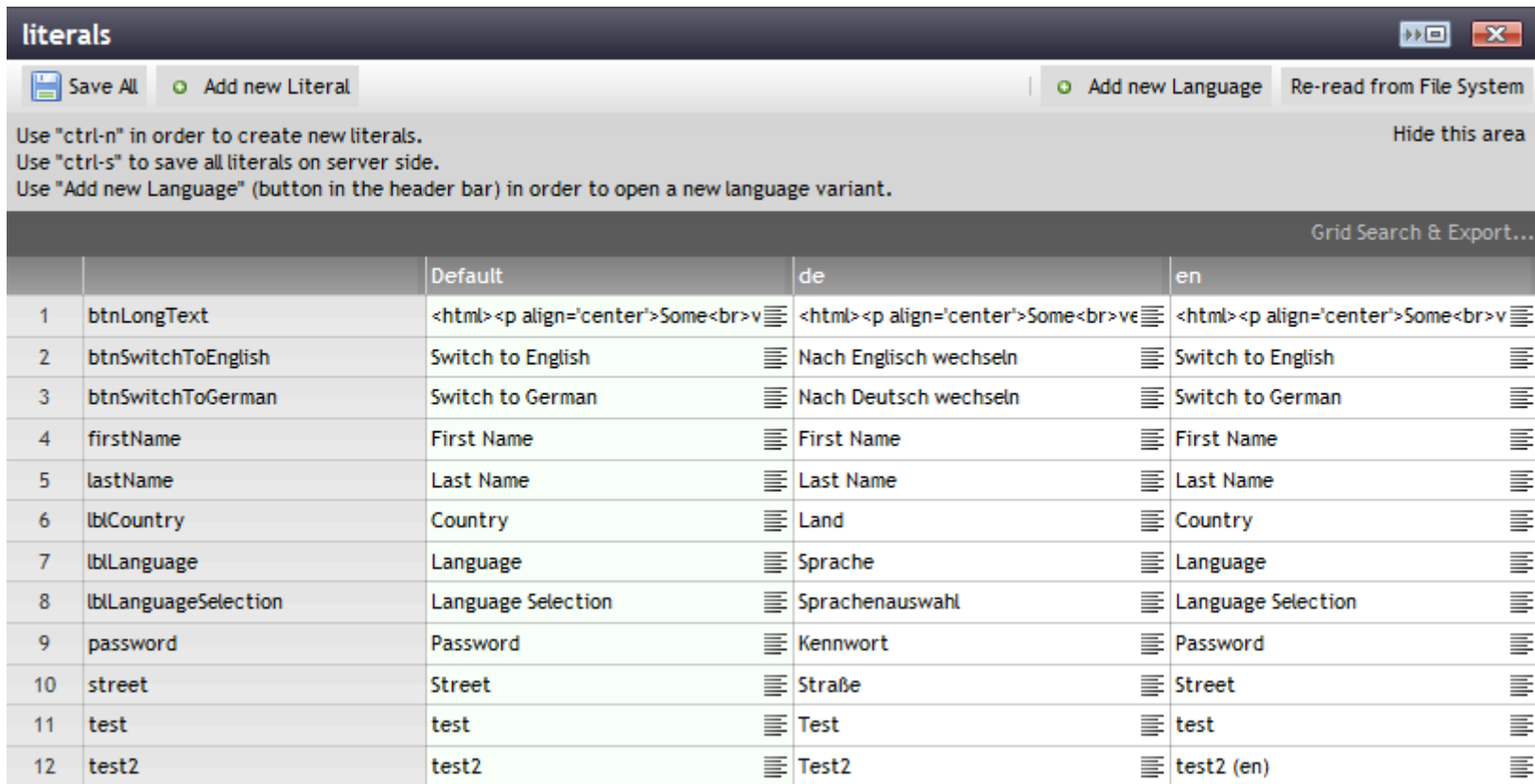
Active Frontend Notification

- Background information
 - Solved via http long polling
 - Consequence
 - Runnable with “any” J2EE application server
 - Still “everything is http” - no additional network configuration required



Toolset Enhancements

Multi Language Literal Translation



The screenshot shows a window titled 'literals' with a header bar containing buttons for 'Save All', 'Add new Literal', 'Add new Language', and 'Re-read from File System'. Below the header, there are instructions: 'Use "ctrl-n" in order to create new literals.', 'Use "ctrl-s" to save all literals on server side.', and 'Use "Add new Language" (button in the header bar) in order to open a new language variant.' A 'Hide this area' link is also present. Below the instructions is a table with columns for 'Default', 'de', and 'en'. The table contains 12 rows of literals, each with a unique ID and a corresponding translation in German and English. A 'Grid Search & Export...' link is located at the top right of the table area.

		Default	de	en
1	btnLongText	<html><p align='center'>Some v	<html><p align='center'>Some ve	<html><p align='center'>Some v
2	btnSwitchToEnglish	Switch to English	Nach Englisch wechseln	Switch to English
3	btnSwitchToGerman	Switch to German	Nach Deutsch wechseln	Switch to German
4	firstName	First Name	First Name	First Name
5	lastName	Last Name	Last Name	Last Name
6	lblCountry	Country	Land	Country
7	lblLanguage	Language	Sprache	Language
8	lblLanguageSelection	Language Selection	Sprachenauswahl	Language Selection
9	password	Password	Kennwort	Password
10	street	Street	Straße	Street
11	test	test	Test	test
12	test2	test2	Test2	test2 (en)

Toolset Enhancements

Log Viewer

(Re-) Read Logfile Show Detail Columns

Timestamp	Thr.	Level	Text
2011-03-23 12:09:04:452	11	WAR...	* CONSOLE LOGGING is switched on ...
2011-03-23 12:09:04:452	11	WAR...	* By default console loggin...
2011-03-23 12:09:04:452	11	WAR...	* The Java Logger does no...
2011-03-23 12:09:04:452	11	WAR...	* this.
2011-03-23 12:09:04:452	11	WAR...	* Please DO NOT USE conso...
2011-03-23 12:09:04:452	11	WAR...	* scenarios!
2011-03-23 12:09:04:452	11	WAR...	*****
2011-03-23 12:09:04:499	11	INFO	SystemXml Initialization, file: syste...
2011-03-23 12:09:04:499	11	INFO	Reading /ecIntjsfserver/config/sys...
2011-03-23 12:09:04:515	11	SEVERE	*****
2011-03-23 12:09:04:515	11	SEVERE	* INITIALIZATION of Enterprise Clie...
2011-03-23 12:09:04:515	11	SEVERE	*
2011-03-23 12:09:04:515	11	SEVERE	* starting...
2011-03-23 12:09:04:515	11	SEVERE	* Temp dir: C:/bmu_jtc/tomcatdev/...
2011-03-23 12:09:04:515	11	SEVERE	*****
2011-03-23 12:09:04:530	11	INFO	Reading /ecIntjsfserver/version.xml
2011-03-23 12:09:04:530	11	SEVERE	*****
2011-03-23 12:09:04:530	11	SEVERE	CaptainCasa Enterprise Client Versi...
2011-03-23 12:09:04:530	11	SEVERE	*****
2011-03-23 12:09:04:530	11	INFO	*****
Severe & Warning Messages only			
2011-03-23 12:09:04:452	11	WAR...	* CONSOLE LOGGING is switched on ...
2011-03-23 12:09:04:452	11	WAR...	* By default console loggin...
2011-03-23 12:09:04:452	11	WAR...	* The Java Logger does no...
2011-03-23 12:09:04:452	11	WAR...	* this.
2011-03-23 12:09:04:452	11	WAR...	* Please DO NOT USE conso...
2011-03-23 12:09:04:452	11	WAR...	* scenarios!
2011-03-23 12:09:04:452	11	WAR...	*****
2011-03-23 12:09:04:515	11	SEVERE	*****

Performance Profiler

Refresh

File Name	Column
pL_1300879615394.csv	23.03.2011 12:26:55
pL_1300879614879.csv	23.03.2011 12:26:54
pL_1300879613210.csv	23.03.2011 12:26:53

Remove all Files

	Type	Duration (nano-sec)	Comment
1	GET	22.242	#[wp.demoHelloWorld.name]
2	GET	23.098	#[wp.demoHelloWorld.output]
3	GET	11.121	#[wp.demoHelloWorld.docu]
4	GET	11.549	#[wp.demoHelloWorld.layoutXML]
5	GET	9.410	#[wp.demoHelloWorld.javaCode]
6	GET	114.633	#[ecIntdefscr.clientTestLogMessage]
7	GET	21.815	#[ecIntdefscr.clipboard.contentSetTrigger]
8	GET	9.410	#[ecIntdefscr.clipboard.contentSet]
9	TOTAL	0	// total time (nanos): 319942
10	TOTAL	0	// total time (ms): 0

Release 4.0 - Availability

- Release 4.0 was technically published at Feb 1st of 2011
 - In the meantime most community members have upgraded within their development
 - Release 4.0 is coming with the updated versions of Tomcat (7) and JSF (2.0)
 - Still Tomcat 5.5, 6 and any other J2EE Server can be used
 - Still JSF 1.1 and 1.2 can be used



More Information required?

- <http://www.CaptainCasa.com>
 - Infos, News
 - Usage Reports
 - Online Demos
 - Downloads

