



CaptainCasa Enterprise Client

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CaptainCasa Change Log

Summary of Changes, <= Release 2.5

Release 2.5

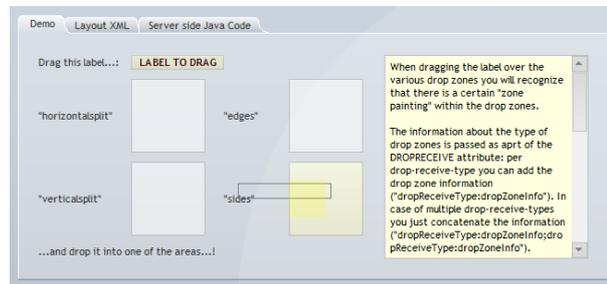
2009, December 21st

Bug Fix - Combobox Items and right-to-left Mode

When starting the client in right-to-left mode then combo box items sometimes were not properly displayed (esp. if one of them did not fit into the combo box list box).

Improvement - Drop Zones during Drag & Drop

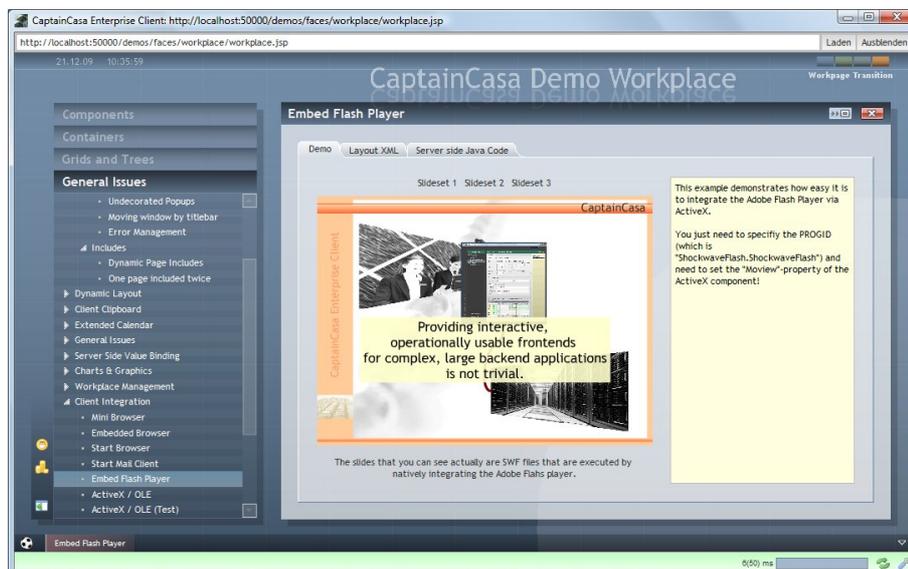
In the DROPRECEIVE definition you now can define so called “drop zones”. Result: when dragging information over the component then there is a certain highlighting.



In case you interpret the drop position of the drop event you now can in advance feed back to the user what the drop position will mean. The feature is used in the layout editor now - when dragging and dropping components within the component tree there is a clear highlighting where the dropped component will be placed.

Improvement - Flash ACTIVEX Example

We added a small example to our demo workplace showing how simple you can integrate a flash player into your CaptainCasa page - using the ActiveX bridge. Of course the ActiveX component is not available on all platforms... - but this you know already...



(In the screenshot the inner “slide area” actually is the Adobe Flash Player, showing some .swf URL.)

Bug Fix - Minimum width of COLDISTANCE

The minimum width of the COLDISTANCE component was defined to “some pixels”... In case you did definitions like this...

```
t:row
  t:coldistance width="50%"
  t:label text="Test"
  t:coldistance width="50%"
```

...this always caused some space being visible left and right of the label.

Improvement - Macro Generation and Grids

Due to the inner processing of grids (FIXGRID component) the grid cell components are executed within the macro processing twice - by intention! First time when interpreting the JSP page, second time when rendering the grid on server side.

Now you can check with the component tag if the macro is executed in the first phase or the second phase:

```
BaseComponentTag:
/**
 * Returns if this component tag was automatically generated within the grid generation.
 * On server side a (FIXGRID-) grid is multiplied out into its cell components when accessed
 * the first time. All the cell components are generated from the definition that is done
 * below the GRIDCOL-component. The "multiplied-components" return true when calling this method
 * while the "just-normal-Components" return false.
 * <br><br>
 * This information is quite useful when applying macros: in this case the macro is called twice -
 * both for the component tag within GRIDCOL and for the multiplied out component. There are cases
 * in which you want to differentiate between both cases.
 */
public boolean isGridCellComponent()
{
    ...
}
```

Improvement - Generation of Page out of Style

This was already in last week - now some “official” information...: the program “TransferStyleInfoPage” generates a .jsp page out of a style definition. The generated page can then be used as starting point for maintaining own style definitions “through the layout editor”.

The program is included within the “eclnteditor.jar” (which is inside the tools section), it is started through the main-function. The following code snippet shows the program + how to call it.

```
package org.eclnt.editor.style;
...
public class TransferStyleIntoPage
{
    /**
     * @param args
     * Pass two parameters:<br>
     * (1) the (full) name of the style definition file<br>
     * (2) the (full) name of the page file that you want to create<br>
     * The page file must not exist yet. This program will not overwrite
     any layout file
     * if exists but terminate with a corresponding error.
     */
}
```

```

    */
    public static void main(String[] args)
    {
        ...
        ...
    }
    ...
}

```

2009, December 14th

Improvement - Client Parameter “fontfamily”

You now can pass a list of font family names, e.g. “Trebuchet MS;Tahoma;Arial;Verdana” - in this case the client will select the first matching font, that is available on client side.

Improvement - Setting the Popup Size for isolated Workpages

You now can set the width/height of isolated workpages via `IWorkpageContainer.setDefaultPopupWidth()` and `setDefaultPopupHeight()`.

Improvement - Command Line started in Editor when File not writeable

Within your project you now can define a command line that is executed of the layout file that you want to save is currently now writeable (e.g. due to source code management systems). The following shows a project definition containing a corresponding definition:

```

<project ...
    ...
    commandlinefilenotwriteable="notepad.exe;@@absfile@"
    >
    ...
    ...
</project>

```

Well, if opening notepad really helps here, we are not too sure about. But it shows how it works: you define a semicolon separated list of values, the first being the program to call, the others being parameters. You can use “@@absfile@@” and “@@relfile@@” - which are later on replaces by the current layout file that is saved. “@@relfile@@” refers to the file, relative from the webcontent directory.

Improvement - Style Editing via “styldef_xxx.jsp”

When maintaining a style via the Layout Editor, you normally define style variants by setting the style attribute to “def_<stylevariant>”. There is a list of properties that is normally ignored when the corresponding style is generated, e.g. “width”, “height”.

If you now define the style variant as “def_keeppall_<stylevariant>” then really ALL attributes that you define are taken over.

2009, December 07th

Improvement - Change in default JNLP Start Files

The following change was made when calling a “.ccwebstart” URL or when generating a JNLP file:

```

...

```

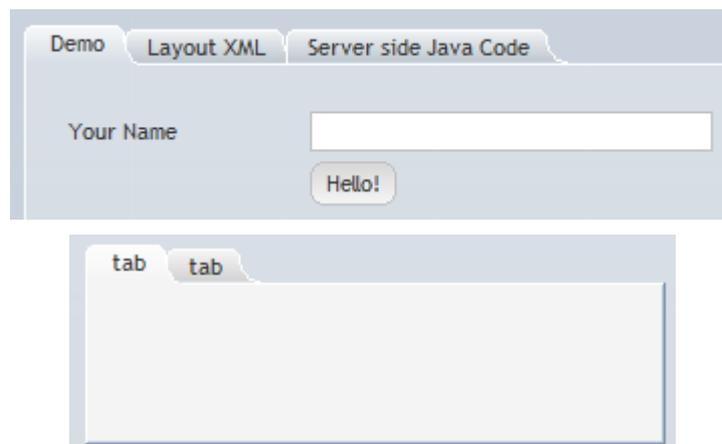
```
<resources>
  <j2se version="1.6+" java-vm-args="-dsa -Xnoclassgc -Xmx256m"/>
  ...
```

This VM argument disables some assertions that were previously done by “-esa” at the same location within the JNLP file. There was the error, that file-chooser-dialogs (such as with file up/download components) did not start properly.

We recommend to you to re-look into your existing JNLP files and do this change!

Improvement - Look & Feel Update for TABBEDPANE

Tabbed panes now have a rounded tab-area. Currently you can only use this when placing the tabs at the top. If you want the previous style to be shown: there is a new attribute TABSTYLE with TABBEDPANE, that you can set to “classic”.



Improvement - Suppressing Progress Bar “on the bottom right”

There is a new client parameter “progressbar=false”: consequence the progress bar that is shown by default “on the bottom right” of the client is switched to invisible.

Improvement - Right to Left Alignment

When switching into the right to left mode then by default now all “right” alignments are switched to “left”, and vice versa. We did some testing with a native-RTL-user who advised us to do so ;-)

Well, sometimes you really want to have things right or left aligned, despite the RTL mode. In this case you may use the alignment “right!” and “left!”.

Bug Fix - Message about wrong Date Input sometimes popped up twice

When entering a wrong date into a CALENDARFIELD or EXTCALENDARFIELD then the corresponding message sometimes popped up twice.

Bug Fix - Drag and Drop with ROWDRAGSEND and ROWDROPRECEIVE

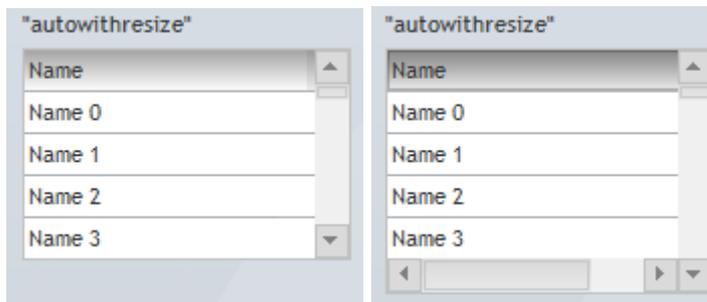
The drag and drop did sometimes not properly work. Now it does (again...).

Improvement - New horizontal Scrollbar Mode

This is something for grid-experts...: FIXGRID components (same with ARRAYGRID components) provide a certain sizing behavior: if not explicitly switched to “hidden” then the grid will always calculate some potential scrollbar height into its whole height definition. If the scrollbar is not required (because the grid fits in) then the height of the scrollbar is equally distributed to all other rows.

This behavior is the default one, and there is no change to this!

But, there is an alternative option: you now can define the attribute HORIZONTALSCROLLBARMODE to “autowithresize”. In this case the grid will not automatically include a potential scrollbar height into its height calculation, but will only show a scrollbar if really required by its content.



This of course means: if the content is changing (e.g. the user changes columns sizes) and a scrollbar appears as consequence then a resizing of the screen takes place - because the grid now occupies more vertical space.

Please check the demo “Grids and Trees > Horizontal Scrolling” for more details.

This new scroll mode is especially useful for grids with a low number of rows: in this case the additional height that is reserved for the potential horizontal scrollbar gets distributed to a few rows only - increasing their height “dramatically”.

Improvement - More Selector Info can be passed

...last week we introduced the feature to add a selector column into FIXGRID or ARRAYGRID definitions by using the attribute SELECTORCOLUMN. Based on requests we now added the “full blown” attribute set of the selector to be controlled within the grid definition. This means there are the following attributes on FIXGRID/ ARRAYGRID level:

- SELECTORCOLUMN: 1 => icon based selector, 2 => index based selector
- SELECTORCOLUMNWIDTH: width of column
- SELECTORCOLUMNIMAGETRUE/IMAGEFALSE: in case of icon based selector: icons to be used of visualizing the selection status

Improvement - Removing Layout Definitions from Tools

In the project explorer (left side of the toolset) you now can remove layout definitions by using the right-mouse-button / popup-menu.

Improvement - Trigger to open File Selection Popup in FILECHOOSER

By using the attribute OPENPOPUPTRIGGER you now can open up the file selection dialog

from server side for the FILECHOOSER component.

Improvement - “Expression Explorer Tool”

Within the CaptainCasa toolset there is the tool “Bean Browser” which is so far the central one for dragging expressions into the page components.

The Bean Browser is based on Java introspection and allows a certain way to add own logic inside. Own logic is typically required when working with generic or dynamic structures within your application.

Now there is a second tool available, that explicitly opens up a hierarchy of expressions that is completely controlled by a program of your side. By not being bound to the concept of Java introspection the interface is much clearer and easier to adapt for you.

The tool is/ should be interesting for all of you having built up a certain server side bean structure which you you want to easily pick expressions from. Documentation is included within the updated document “Tool Extensions”.

Improvement - Dynamic HT* Areas

In the thin client environment (HT* components) there are the two new components HTROWDYNAMICCONTENT and HTDYNAMICCONTENT for placing dynamic content into pages.

Information - Default style variant TRANSPARENT

OK- and Yes/no-popup internally render a TEXTPANE component - and now refer to the style variant TRANSAPRENT by default.

Bug Fix - Thin Client (HT*): Modal Popup Dialogs did not show up

There was a problem with opening up modal dialogs within the thin client (HTML rendering, HT* components).

2009, November 23rd

Bug Fix - Cursor did not change to hour glass in Applet

As already announce in the forum - this bug is officially solved with this release.

Improvement - Adding Row-Selector in Grids

You now can easily add a row selector into grids (FIXGRID and ARRAYGRID) by setting attribute SELECTORCOLUMN. The values to set are:

- “1” ==> selector with icon selection
- “2” ==> selector showing line index

Improvement - Row Selector now also shows Index of Line

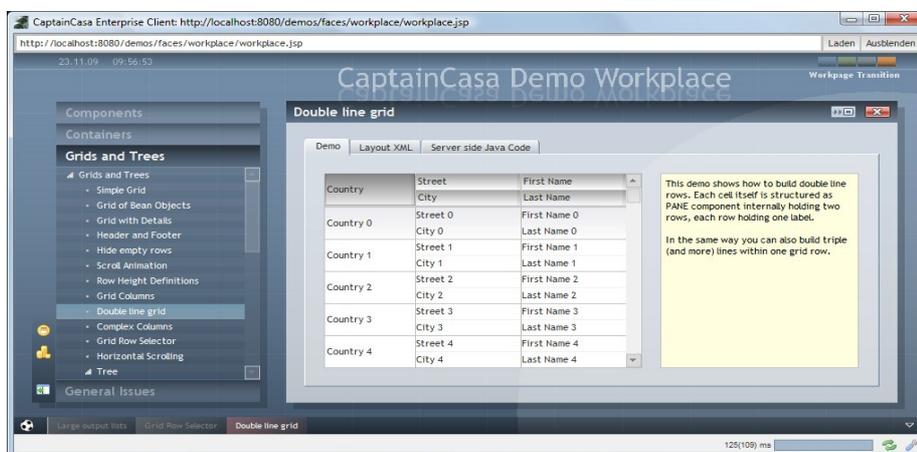
You now can configure the ROWSELECTOR component so that it does not show selection icons, but it shows the index of the row. The configuration is done via attribute SHOWTEXT. If the row is selected then the index is output in bold font.

| Name |
|--|
| <input type="checkbox"/> Name 6 |
| <input checked="" type="checkbox"/> Name 7 |
| <input type="checkbox"/> Name 8 |

| Name |
|----------|
| 7 Name 6 |
| 8 Name 7 |
| 9 Name 8 |

Improvement - Explicit embedding of Column Headers

So far column header only were rendered by the grid processing - when rendering a grid's header line. Now you can explicitly access the component and embed it into a grid header arrangement on your own. In the "Double Line Grid"-example of the demo workplace the grid header is explicitly defined within the layout:



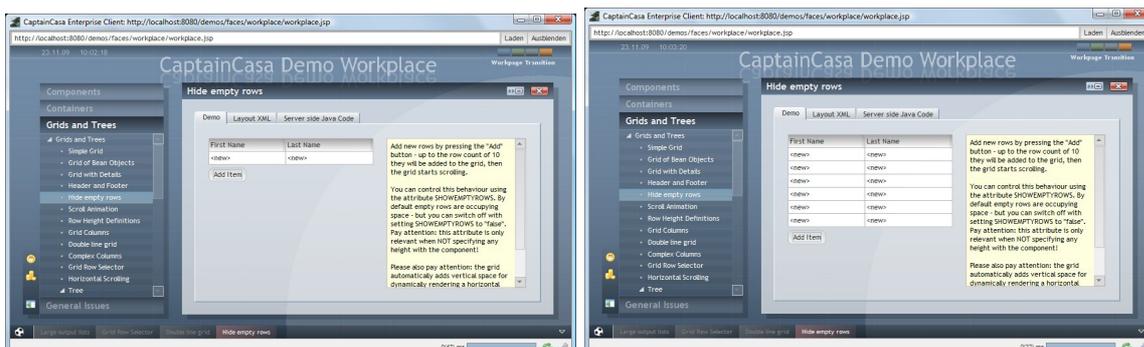
Functions that you know from the default header cells are now available as well, such as..

- Resizing the grid's column
- Dragging & dropping grid columns for rearranging the structure of columns

Please check details within the workplace demo.

Improvement - Grid does not show empty Rows

This is something nice...: you can configure a grid (FIXGRID and ARRAYGRID) so that empty rows are not occupying space. Have a look into the following demo of the demo workplace:



The grid step by step increased its height until it reaches the number of columns defined in the attribute SBVISIBLEAMOUNT. After reaching, normal scrolling starts.

The attribute that is used for configuring the grid is "SHOWEMPTYROWS", the default is "true". There are certain issues to pay attention to - please check the example within the demo workplace.

Improvement - Definition of Export Character Set for Grid Export Functions

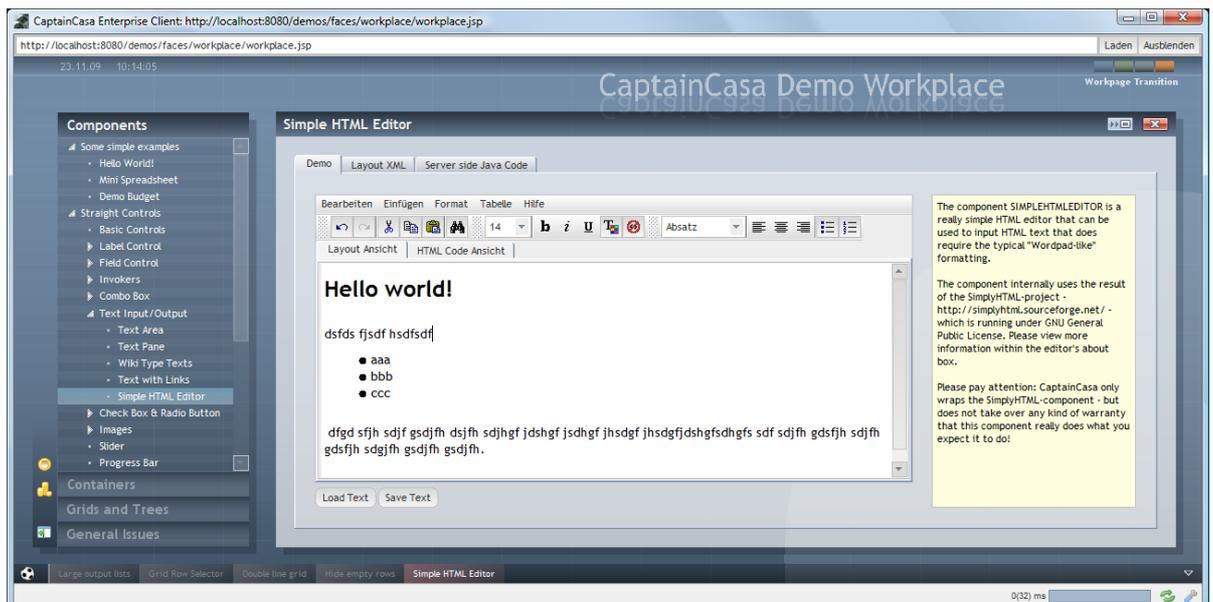
When using the grid default functions to export the grid's content to CSV or to XML then by default the character set "UTF-8" is used. Now you can explicitly configure this for all grids. The configuration is done in /eclntjsfserver/config/system.xml:

```
<system>
...
...
  <fixgrid
    exportcharactersetcsv="ISO-8859-1"
    exportcharactersetxml="UTF-8"
  />
</system>
```

Background: the CSV export in many cases is directly passed into some spreadsheet processing - which is not based on Unicode character set.

Improvement - Simple HTML Editor

A new component was added - a simple HTML editor. It was quite a tough search for an existing, open source based "mini editor" that did not contain too many bugs, and really allows an editing of small documents. We finally found the project "SimplyHTML" and took over their editor. Integration is done via the new component SIMPLEHTMLEDITOR.



Because the editor has a jar-size of round about 500 kBytes, we decided not to load the

editor as standard component (i.e. it is not part of eclnt.jar). You need to explicitly list the client jar file "eclnt_simplifyhtml.jar" within the list of libraries to be used on client side into your HTML/JNLP file.

There are two important issues to note:

- **VERY IMPORTANT (1):** the component that we use runs under "GNU General Public License". When using you explicitly need to mention within your documentation. Please read the license terms in "Help > About" before using the component within your application!
- **VERY IMPORTANT (2):** the component is nice but not 100% free of "inconveniences". CaptainCasa is packaging the component in order to use the component, but does not take over any warranty for this component.

The "simple editor" is NOT a complete HTML Editor, but some kind of "extended notepad" for editing small texts only. Do not expect the editor to edit HTML text that was not created by the editor itself.

Improvement - Consistent Default Font

We now consistently use font "Trebuchet MS" within the default configuration. Btw.: you can centrally define the font by using the client parameter "fontfamily".

Bug Fix - No check for Creation of already existing Properties in Resource Editor

The Resource Editor now checks if a property that the user wants to create already existst.

Bug Fix - Severe Error Message logged when removing Http Session

For re-setting the server side session you may invalidate the currently active http session. This cause some error logging on a severe level up to now - though this is not an error situation.

Bug Fix - Problem with Layout Definition Files < 100 characters

Uuuuh, due to a stupid log-statement, in which we output the first 100 characters of a style definition file, there was a problem, if style definition files were shorter than 100 characters...

Bug Fix - HEXIMAGE-BORDER Problem

There was a problem when setting the border to value "".

Improvement - Enhance API for YESNO and OK Popup

The API now includes methods to set the text of the individual buttons.

2009, November 16th

Improvement - Setting of odd/even Background in Grid

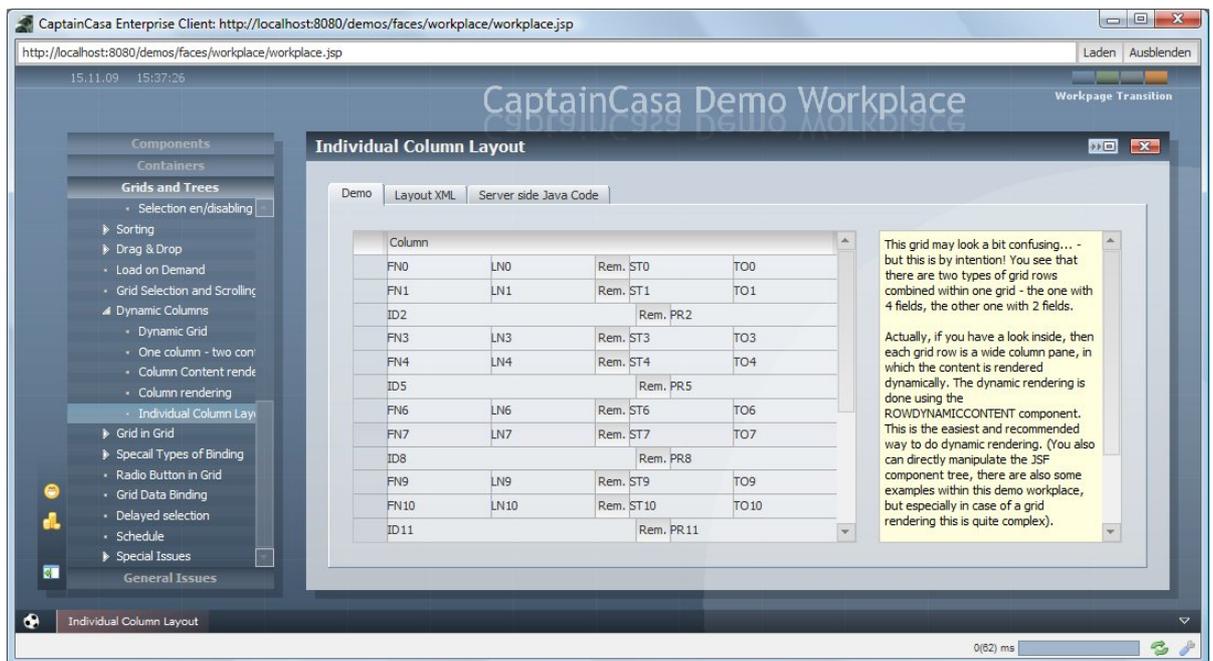
Within the grid (FIXGRID, ARRAYGRID) you now can explicitly define the odd/even background colors. User attributes DRAWODDEVENBACKGROUNDODD and

DRAWODDEVENBACKGROUND. - Both attributes are only applied if DRAWODDEVENROWS is switched on, i.e. holds value "true".

Improvement - Usage of ROWDYNAMICCONTENT in Grid

From this update on you can use the dynamic content component ROWDYNAMICCONTENT inside the grid as well. This is a significant simplification of dynamic grid cell rendering - up to now you needed to directly access the JSF component tree.

The following is an example of a grid, in which two object types are managed - each object type with an individual arrangement of components:



Improvement - Automatic Grid Scroll Adjustment when removing Items

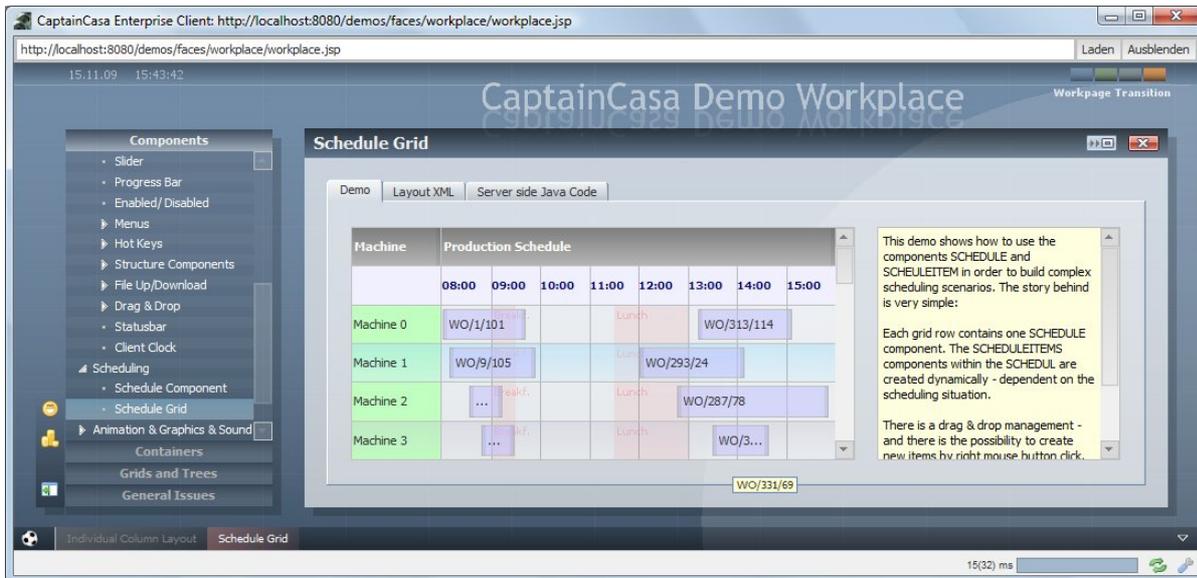
When removing items at the end of a grid, then the grid automatically scrolls (if enough items are left to scroll to).

Improvement - JRVIEWER Component allows to specify Output Filters

The component for viewing Jasper Report results now allows to define output file filters (e.g. if you want the user to only create PDF files on frontend side). The filtering is done via attribute SAVEFORMATFILTER - please check the value help within the Layout Editor for more information about what data to define.

Improvement - SCHEDULEITEM allows 2 Side Sizing

The SCHEDULEITEM component now allows that the user may resize the component on both sides. Up to now only sizing on the right or bottom side (dependent on orientation) was allowed.



The server side event was updated correspondingly so that you always get the “new left” and “new width” information when sizing the component.

Improvement - `Statusbar.outputAlert` returns `ModalPopup` instance

The function `Statusbar.outputAlert` now returns the `ModalPopup` instance in which the message is shown. As consequence you may now fine control the positioning of the popup on your own.

Improvement - Automated Reloading of Editor can be switched off

The Layout Editor checks for updates on files it currently processes every 15 seconds. You now can switch this timer based function off. To do so you need to set up your project file in the following way:

```
<project webcontentdirectory=...
  ...
  checkforupdatedfiles="true"
  ...
</project>
```

Of course you still can check for file updates by invoking the corresponding function from the menu.

2009, November 09th

Improvement - Style Extraction from Page Definition

This is a very nice new feature - we at least believe so...

With CaptainCasa you can define styles that are applied as general rendering rules. With styles you can explicitly preset certain component attributes (e.g. the FONT of the FIELD) - as consequence you do not have to repeat these types of definitions with each component instance, and as consequence you have kept these types of definitions apart from your page layout definition: you can run the same layout under different styles resulting in a different look and feel.

The style definitions are XML files that you so far had to maintain manually - without receiving direct visual feed back of what you edit.

Now the following feature is activated within the Layout Editor:

- You edit a dedicated page for a style. The page must have the name “styledef_XXX.jsp”, it can be part of any of your folders below within your webcontent. “XXX” is the name of the style.
- Inside this page you just normally place and edit the contained components. In the following way you now can define style settings:
 - The component needs to point to a style variant “def_YYY”, “YYY” being the name of the original style variant you want to create.
 - The style information of the component is extracted into a corresponding style variant definition when saving the file.

Example: the following page is an extract of “styledef_ccbig.jsp”:

```

...
<t:row id="g_4">
  <t:label id="g_5" font="size:14" stylevariant="def_default"
    text="Default Label" />
  <t:label id="g_6" font="size:14;weight:bold" foreground="#400000"
    stylevariant="def_highlight" text="Highlight Label" />
</t:row>
<t:row id="g_7">
  <t:field id="g_8" background="#FFFFFF" font="size:14"
    stylevariant="def_default" text="Default Text" width="100" />
  <t:field id="g_9" background="#FFFFFF" font="size:14;weight:bold"
    foreground="#400000" stylevariant="def_default"
    text="Highight Text" width="100" />
</t:row>
...

```

When saving the style definition /ecIntjsfserver/styles/ccbig/style.xml is created:

```

<style>
  ...
  <tag name="t:label" variant="default">
    <set attribute="font" value="size:14" />
  </tag>
  <tag name="t:label" variant="highlight">
    <set attribute="font" value="size:14;weight:bold" />
    <set attribute="foreground" value="#400000" />
  </tag>
  ...
</style>

```

You see that “def_default” and “def_highlight” are transferrred into “default” and “highlight” definitions within the style file.

Consequence: you now can maintain style definitions in a much nicer way than before - just by editing a style-template-page.

Improvement - HTFIELD-REQUESTFOCUS Support

The thing client component (HTML rendering) HTFIELD now supports the explicit setting of the focus from server side. Use HTFIELD-REQUESTFOCUS attribute in the same way as using it for rich components.

Improvement - Thin Client Hot Keys, HTHOTKEY Component

You now can define hot key definitions within a thin page (HTML rendering). Place the HTHOTKEY component into your page: you need to define a corresponding key definition and an action listener to be invoked.

Please pay attention when using the “Enter” key as hot key: the key is normally used inside form fields to submit the form. This is sometimes quite confusing, and if defining “Enter” as hotkey it may result into double posting of the same form data. For this reason there is a new attribute HTFIEL-BLOCKFORMSUBMITONENTER that you can set to “true”. In this case NO submit will sent automatically to the server side.

Bug Fix - Even/Odd Rendering with new Columns

When removing and later on adding columns to an existing grid then the even/odd rendering sometimes was not applied to the new columns.

Improvement - ACTIVEX Component with own or without Error Message

When using the ACTIVEX component then by default an error message is shown to the user if the corresponding ActiveX control is not installed on client side.

You now can explicitly set this message by using the attribute ACTIVEX-MESSAGEONERROR. If not defining a message at all, then no message will be shown as consequence.

Improvement - IMAGECAPTURE Component, Row Distance

Within the composite component IMAGECAPTURE you now can define the row distance that is applied between the links that are rendered on top of the image (IMAGECAPTURE-ROWDISTANCECOMMANDPANE).

Bug Fix - ComboBox sent Change though no User Input

When using the COMBOBOX components with EDITABLE as “true” and when using null-value on server side, then it sometimes happened that the combo box told the server that it had changed its value, even though there was no explicit user action associated with the combo box.

2009, November 2nd

Improvement - Inheritance Definition in Style

This is something important, because we believe it will reduce the effort of maintaining style definitions quite a lot: you now can define inheritance relationships within style definitions:

```
<style extends="default">
  <tag name="label" extendsparenttag="true">
    <set attribute="font" value="weight:bold"/>
  </tag>
  <tag name="button">
    <set attribute="font" value="weight:bold;size:14"/>
  </tag>
  <tag name="button" variant="HIGHLIGHTED" extendstag="button"
extendsvariant="default">
    <set attribute="contentareafilled" value="false"/>
    <set attribute="bgpaint" value="background(#FF000030)"/>
  </tag>
</style>
```

This style definition says...:

- It takes over all style definitions from the “default” style. So only delta definitions are contained here.
- When defining individual styles for a tag, you now tell via “extendsparenttag” if the definitions of the parent style are taken over (“true”), so that your own tag definitions are added in addition - or if your definitions are the only ones that are applied (“false”, default), i.e. they completely override the parent tag style definition.
- Independent from the style inheritance you now may reference style variants from one another using “extendstag” and “extendsvariant”.

Improvement - Attribute NOTEXT in SCHEDULEITEM

In the SCHEDULEITEM component you now can specify the new attribute NOTEXT as “true”. In this case no text component will be rendered inside. - You can still add texts (and images etc.) by using the component's BGPAIN attribute.

Advantage: you can arrange text and image data into the schedule in a flexible way - and the component is faster in addition.

Bug Fix - COMBOFIELD Window popped up at wrong Location

It sometimes could happen that the window that you typically open up for a COMBOFIELD component opened at a wrong location. Example: if the COMBOFIELD was clicked and the focus was in a field before, for which FLUSH was set to “true”.

Bug Fix - “German Umlaute” in AUTOCOMPLETE

There was a problem with “upper Unicode characters” such as “äöü” within the AUTOCOMPLETE.

Improvement - Interface “IMethodBindingListener” applied to Object receiving an ActionListener-Call

```
public interface IMethodBindingListener
{
    public boolean reactOnActionListenerInvokeBefore(MethodBinding mb,
        ActionEvent event);
    public void reactOnActionListenerInvokeAfter(MethodBinding mb,
        ActionEvent event);
}
```

When an ActionListener method is called, then the object that receives the call is checked, if it supports interface “IMethodBindingListener”. If it does, then the invoke of the action listener is done in the following way:

- The method “reactOnActionListenerInvokeBefore” is called
- The action listener itself is called
- The method “reactOnActionListenerInvokeAfter” is called

2009, October 26th

Bug Fix - COLORFIELD Input ignored sometimes

When entering data into the COLORFIELD and not having set the corresponding server side property (i.e. the value was null), then the input in the COLORFIELD was not passed to the application.

In addition there was a problem directly setting the input value as FOREGROUND value, so that the coloring of the text represented the color input.

Improvement - Direct Control over Client Closing in Webstart

The default behavior, when having started the client via Webstart is: a simple popup comes up, asking the user if he/she really wants to leave the application.

Now you can use the new component CLIENTCLOSER in order to control the closing of the client via server side application:

- The ACTIONLISTENER of this component calls a method at this point of time when the user requests the client to be closed (e.g. by pressing alt-F4 or by pressing the right-top-close-icon of the window). The window will NOT close automatically anymore, but leaves this decision to you application.
- The CLIENTCLOSETRIGGER point to a Trigger-property: in case your application triggers this trigger, then the client will immediately close as result.

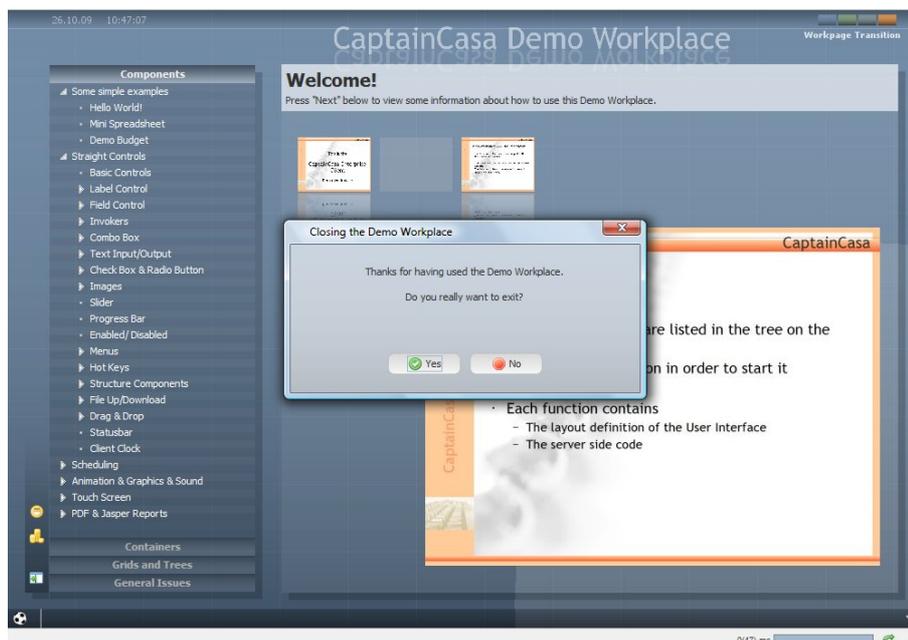
Have a look into the demo workplace. The page definition is:

```
<t:beanprocessing id="g_1">
  <t:clientcloser id="g_2"
    actionListener="#{wp.workplace.onClientClosing}"
    closeClientTrigger="#{wp.workplace.closeTrigger}" />
  <t:sessioncloser id="g_3" />
</t:beanprocessing>
<t:row id="g_4">
  <t:pane id="g_5" bgpaint="#{wp.workplace.bgpaint}"
```

The corresponding server side implementation is:

```
Trigger m_closeTrigger = new Trigger();
public Trigger getCloseTrigger() { return m_closeTrigger; }
public void onClientClosing(ActionEvent event)
{
    YESNOPopup ynp = YESNOPopup.createInstance("Closing the Demo
Workplace","Thanks for having used the Demo workplace.\n\nDo you really
want to exit?",
    new YESNOPopup.IYesNoListener()
    {
        public void reactOnNo()
        {
        }
        public void reactOnYes()
        {
            m_closeTrigger.trigger();
        }
    });
    ynp.getModalPopup().setLeftTopReferenceCentered();
}
```

When the client closes, then “onClientClosing” will be called. A popup comes up, in case the user decides for “Yes”, then the actual closing is executed.



Improvement - Setting the Focus into a Grid Line

It is now much easier to set the focus into a certain grid line: you just need to call the function “FIXGRIDBinding.selectAndFocusItem(item)”. As consequence...

- the line will be selected
- the grid will - if necessary - scroll to the line to ensure it is visible
- the focus will moved into the (optically) first component of the line that can receive the focus

Bug Fix - COMBOFIELD, Valid Value Help with KEEPFOCUS=true

There were some issues with this component:

- The focus only was kept in the COMBOFIELD when triggering the value help the first time. The second time the focus was moved into the value help popup.
- The popup could not be closed by just clicking anywhere outside, you had to hit a focus-able component.
- The page did move a bit when working in a scroll-able page and navigating with “cursor-down” into the popup.

Improvement - Rendering of COMBOBOX Items

The rendering was improved a bit - in order to make the COMBOBOX appearance and the COMBOFIELD appearance more equal. There are e.g. now lines drawn between the items. You can fine-tune the lines (or remove them) by using the new attribute ITEMBORDER.

And you can define DRAWODDEVENROWS - in this case the coloring of the items within the combo popup is different for odd and even rows.

The same is available for the AUTOCOMPLETE component as well.

Improvement - COMBOFIELD, “All to Client” Mode for Id-Attribute-Value-Help

You now can provide the value help popup in a certain mode, so that all items are loaded to the client in one step. Otherwise the grid within the popup is a normal server-side-scrolling grid, in which every scrolling is done through a roundtrip to the server.

Please check the corresponding example within the demo workplace (Components > Straight Controls > Field Controls > Field Value Help - Details > All to Client Mode).

Improvement - COMBOFIELD Popup on wrong Display

When working with multiple monitors and placing a window, so that it ranges from one monitor into the other, then the popup of the COMBOFIELD sometimes was opened on the wrong monitor.

Bug Fix - Server Error, Error Screen and Popups

When the server side application causes a crash (stack trace) then a certain error screen is shown. When, at point of time of crashing, there were popups open, then these popups were not closed, so that you saw the server-error-screen together with your popups. Now

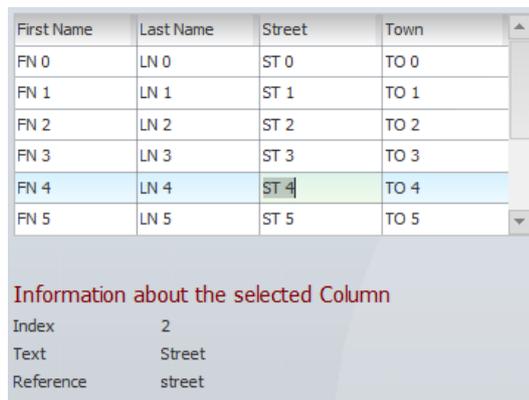
the popups are closed.

Improvement - Interface for own Client Side Error Screens

This is something for experts, because it affects client side programming (which you from application perspective do not do...). You can fine-tune the client side error screen by implementing interface “ILocalErrorScreenProvider” and passing the class of your implementation via client parameter “errorscreenproviderclassName”.

Improvement - Column Selection Information passed with Grid Selections

When selecting a grid row then you now receive information about the column that you selected, please check the demo “Grids & Trees > Selection Issues > Info about selected Column” of the demo workplace.



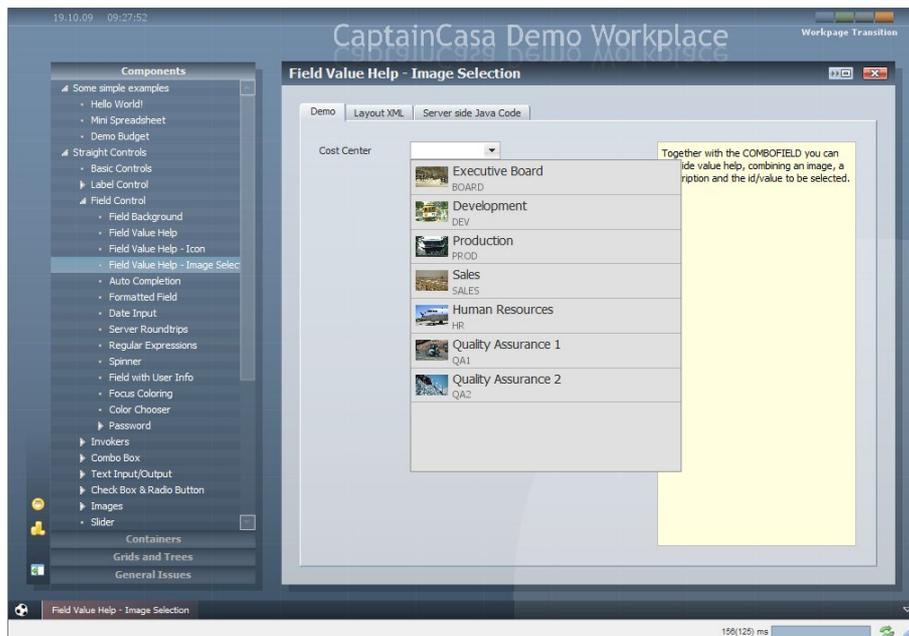
2009, October 19th

Bug Fix - List Selection with multiple Selections

When defining a grid to support multi-selection then it seldomly happened that selections on the last row were not properly passed to the application.

Improvement - Default function for Image-Id-Text Value Help

There is now a nice default function for opening value help popups that look the following way:



The server side interface is very simple:

```

IdTextSelection idts = IdTextSelection.createInstanceWithImageLine();
idts.addLine("BOARD", "Executive Board", "/images/pictures/ph0.jpg");
idts.addLine(...);
...
idts.setCallBack(new ISetId()
{
    public void setId(String id)
    {
        m_costCenter = id;
    }
});

```

Improvement - Own hot key definition for opening COMBOFIELD Value Help

By default the COMBOFIELD opens its value help function when the user presses “F4” or “ctrl-space”. Now you can assign an own hot key definition by using attribute “ACTIVATIONHOTKEY”.

Improvement - Simple HTML Button HTCLASSICBUTTON

In the area of HTML components there is a new one: the HTCLASSICBUTTON. It is very similar to the HTBUTTON, but does not render into an HTML “<button></button>” but does render into HTML “<input type='button'>”. The HTML-button-tag is not rendered by some older versions of Internet Explorer - so that's where to use HTCLASSICBUTTON.

Bug Fix - Sounds only played once

When playing sounds using the SOUND component then the sound was only played once, event if re-triggering the sound later on.

Improvement - CSV & XML Grid Export

The CSV and the XML export that is supported as extended grid function now also export the header lines and footer lines of the grid. Before, only the body part was exported.

Improvement - Dirty Check in Editor

The Layout Editor now regularly checks if the currently edited file was changed on the file system (e.g. by editing the file with a text editor in parallel). In case the Layout Editor finds some newer version from the file system a corresponding dialog is opened, in which you can decide if you want to load the newer file from the disk or stay with your current one.

2009, October 14th

Bug Fix - Labels (seldomly) did not show up with first Screen

This only happened when starting the client, i.e. it did not happen when the client already was started. The problem was not in the area of the LABEL component (this was only a symptom), but was a threading issue when starting the client.

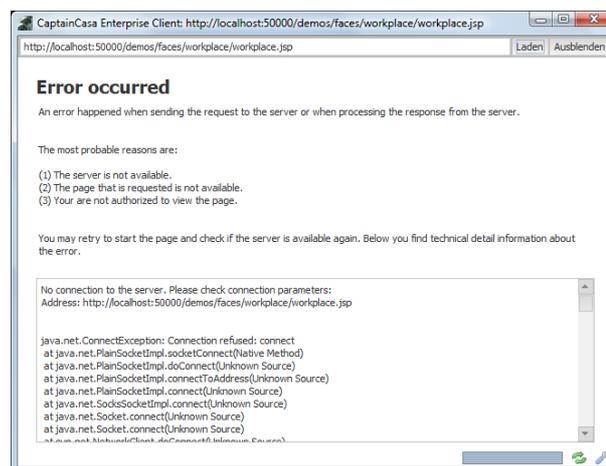
Bug Fix - Keyboard Navigation with complex Grid Cells

In a grid cell (FIXGRID component) you can arrange normal components (e.g. FIELD) or you can arrange complex components (PANE with included components). When arranging complex components there was a problem with keyboard up/down navigation for selecting rows.

2009, October 12th

Improvement - Reconnecting to the Server

This is something important: up to now, when pressing e.g. a button, one http request was sent from the client to the server. In cases, in which for any reason the connection failed you immediately received an error screen:

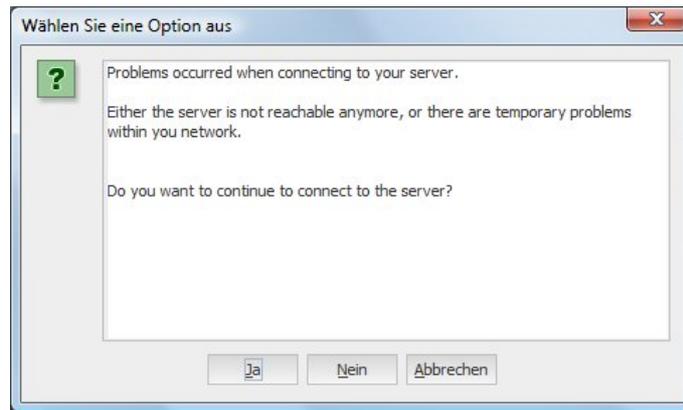


Now, the behavior is a bit different:

The client now tries 2 more times to connect to the server - repeating the same request. Each request is associated with a certain id, so that the server checks, that there is no double processing of requests.

- The “2” is define-able by a new client parameter “numberofreconnects”. You may e.g. define “numberofreconnects=10”.

If, after re-trying, there is still no connection available then by default a message comes up:



When the user confirms with “Yes” then again the client tries to connect to the server 2 times, otherwise the client will switch to the normal error screen.

- You can use client parameter “reconnectpopup” in order to switch off this popup, and directly present an error screen to the user. You may e.g. define “reconnectpopup=false”.

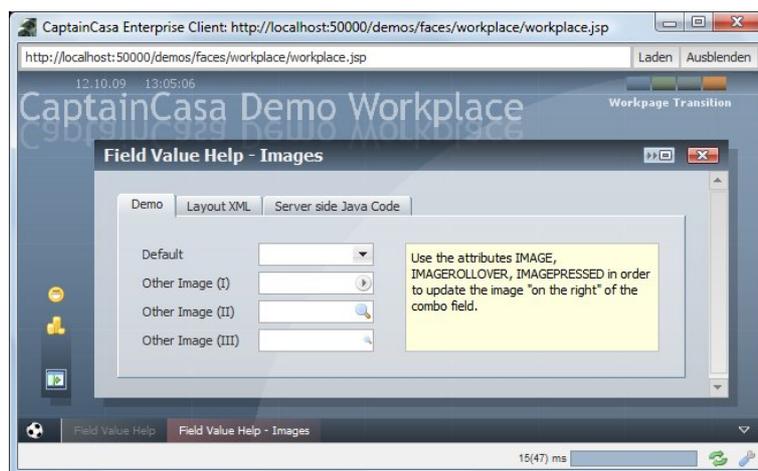
This updated communication behavior is a significant improvement, when it comes to reacting on temporary network problems.

Improvement - Labels with automated Tool Tip

If labels are too short, so that the text does not fit in, then a tool tip is added automatically. This behavior was added both to the LABEL component and to the GRIDCOL component.

Improvement - COMBOFIELD Images explicitly define-able

You now can define the images “on the right” of the COMBOFIELD component:



Bug Fix - Endless Loop during Project Creation

When creating a project within the Layout Editor and explicitly changing the deployment

directory, so that it is located below the project directory - then an endless loop occurred, copying the same files again and again into the deployment directory.

Improvement - SOUND Component's Loading of Sounds...

Up to now the SOUND component's loading was executed by a certain Java API. We figured out at customer site that there may occur problems with this API when working within an https-environment. We now switched the internal functions of the SOUND component so that the loading of the sound file is done by using the normal CaptainCasa Client's communication layer, that is e.g. used for loading images as well.

If you have switched off the sound effects, using client parameter "sound=false": you now can switch it on again.

Bug Fix - TEXTPANE without HEIGHT definition in FIXGRID

When using a TEXTPANE within a complex cell definition of a FIXGRID, then there was an internal client error. The result was, that you saw the first row of the grid only - after resizing the grid (e.g. by resizing the screen), the grid showed all available rows.

Bug Fix - Time Measuring in Server Log

Measured time durations were not correct when multiple users sent requests to the server side processing in parallel (which is quite normal, of course!). Now, times are correct.

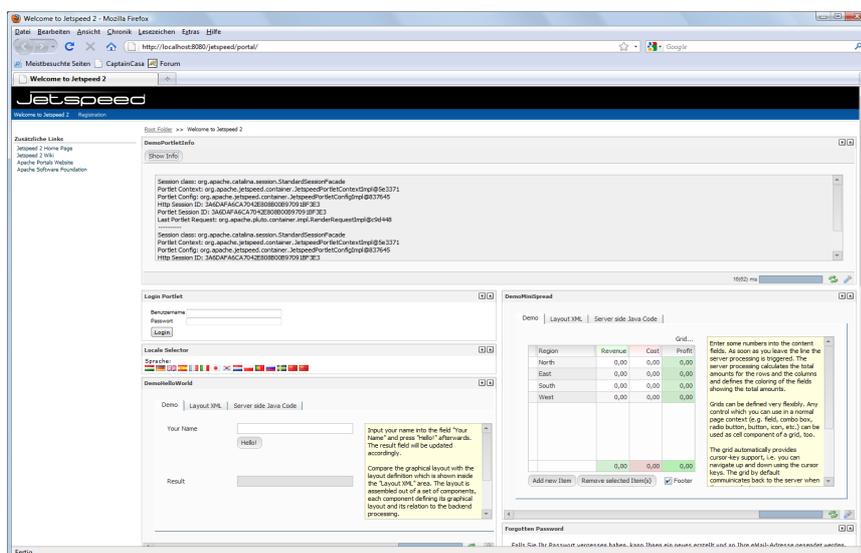
Improvement - CALENDARFIELD with define-able Border

The attribute POPUPBORDER is now available on CALENDARFIELD as well, so that you can explicitly define the border settings of the calendar popup.

2009, October 05th

Improvement - Default Portlet Integration

We now provide a default mechanism for integrating the CaptainCasa Client Applet into portal environments:



In the screenshot you see a portal page (using Apache Jetspeed as portal engine), inside the portal page you see two CaptainCasa clients running inside the portal page.

Integration is done through JSR 168 protocol, there is a generic portlet available that is used for integrating any CaptainCasa page. Please view the updated Developers' Guide, Integration Scenarios, Portal Integration for more information.

Improvement - New BORDER value “noborder”

When defining a component's border you typically define the corresponding BORDER property in the way “top:0;left:1;color:#00000030”. Now you can define the value “noborder” as well. In this case there will be no border around the component, also when using the component within a grid. (By default the grid processing adds an invisible 2-pixel border around a component.)

Bug Fix - Enter + Flush inside a Grid

When defining a component (e.g. FIELD) within a grid, and defining FLUSH=true with the component and pressing the Enter-key within the field, then no flush action event was triggered on server side.

Bug Fix - Time input in CALENDARFIELD (FORMATTEDFIELD)

There was an error when defining the time in abbreviated way with CALENDARFIELD. The error especially showed up when maintaining the component in English.

Improvement - Client Parameter “sound”

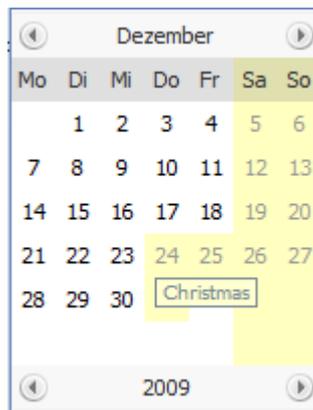
You now can define via client parameter, if the client should play sound-clips (SOUND component) or not. The default is “true”, define “sound=false” in order to switch off sounds.

Improvement - CALENDARFIELD with extended Calendar Management

You now can assign application information behind the calendar processing of CALENDARFIELD. This includes:

- Per day you can assign calendar information.
- The calendar information indicates that a certain date is not applicable (e.g. because it is a public celebration day).
- As result the corresponding date is shown in different colors + with tool tip within the calendar popup. Dependent on the component's settings the user is not allowed at all to select the corresponding date, or he/she received a warning.

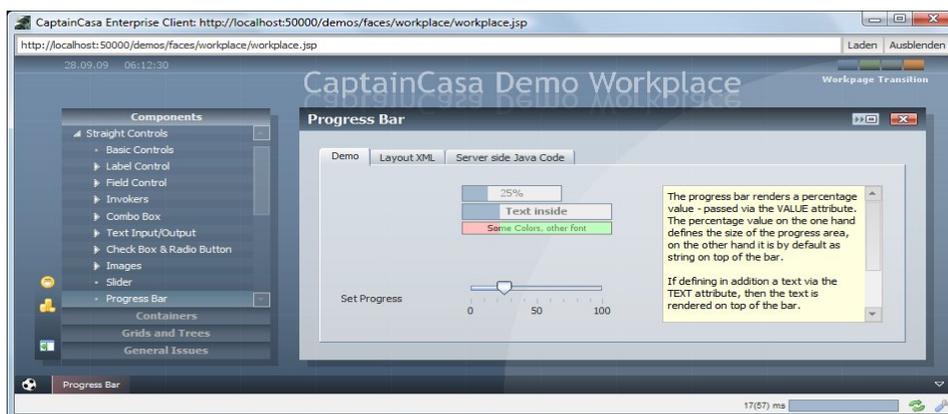
In order to implement the function on server side, there is an API definition - please check the corresponding demo within the demo workplace (General Issues > Extended Calendar).



2009, September 28th

Improvement - PROGRESSBAR with some more Attributes

The look&feel of the progress bar was updated (“straightened”) and now better fits into the rest of the components. In addition you now can maintain background, foreground and font.



Well, you cannot change the text color currently - attribuet FOREGROUND is referring to the “left” part of the progress bar...

2009, September 21st

Improvement - TEXTPANE with Content Type “text/html”, TEXTWITHLINKS

Some improvements were made: the sizing of the component was updated and now better fits to the component’s content. Before inner style definitions were not properly taken over into the sizing.

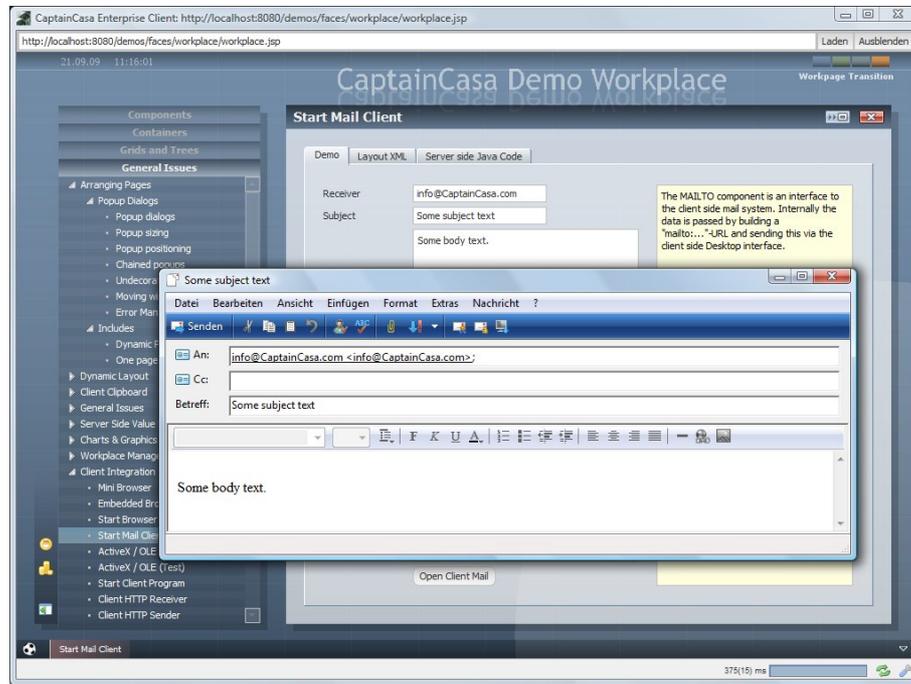
The document base of the text content now is set to the “/”-directory of the web application - so that contained links are resolved correctly.

FONT and FOREGROUND settings are now taken over into the component. Normally this is not supported by the corresponding Java Swing component: what we do is to define corresponding html style settings around the html document. Please do not use color definitions with transparency (#rrggbbtt) as consequence.

Improvement - New component MAILTO

This component allows to open up the client side mail client, and pass a receiver, cc-receiver, bcc-receiver, abstract and a body of a mail. The mail client is called through the Java Desktop interface.

As consequence you can offer a nice integration of your application into your client mail system.



Please check the demo “General Issues > Client Integration > Start Mail Client” in the demo workplace.

Dynamic Type Resoultion - Interface IPropertyTypeResolver

There is a new interface that is considered when resolving the type of a property (e.g. when data from the client is set into the server side managed bean):

```
package org.eclnt.jsfserver.util;

/**
 * When setting a property via expression that the type of the property
 * needs to be resolved. In case of setting the property via
 * introspection
 * (setter/getter method) then the type is resolved automatically out
 * if the corresponding type definition within the setter/getter. In case
 * of dynamic property resolution (via Map-access) the type is some times
 * "best-guessed". In this case you can implement the interface
 * IPropertyTypeProvider
 * for this object that provides the properties (i.e. typically the Map-
 * implementation).
 */
public interface IPropertyTypeResolver
{
    public Class resolveType(String propertyName);
}
```

Using this interface you can make 100% sure (e.g. when keeping your data within a map) what data type is used for setting properties.

Bug Fix - Input of “x” as Time

Inputting a one digit time (“7” for “07:00”) was not possible. Now it is possible.

2009, September 14th

Bug Fix - Usage of CaptainCasa in an existing Swing Application

You may use the CaptainCasa as swing component, by creating a PageBrowser object (see Developers' Guide). For setting up the look & feel and for initializing the client environment it was necessary to call a certain “initParams()” method. This method now is called internally, if not called by you before.

The result of not calling the method were: strange look and feel with buttons + the vertical scrollbar of grids was not rendered.

Improvement - Attribute GRIDCOL-SORTENABLED

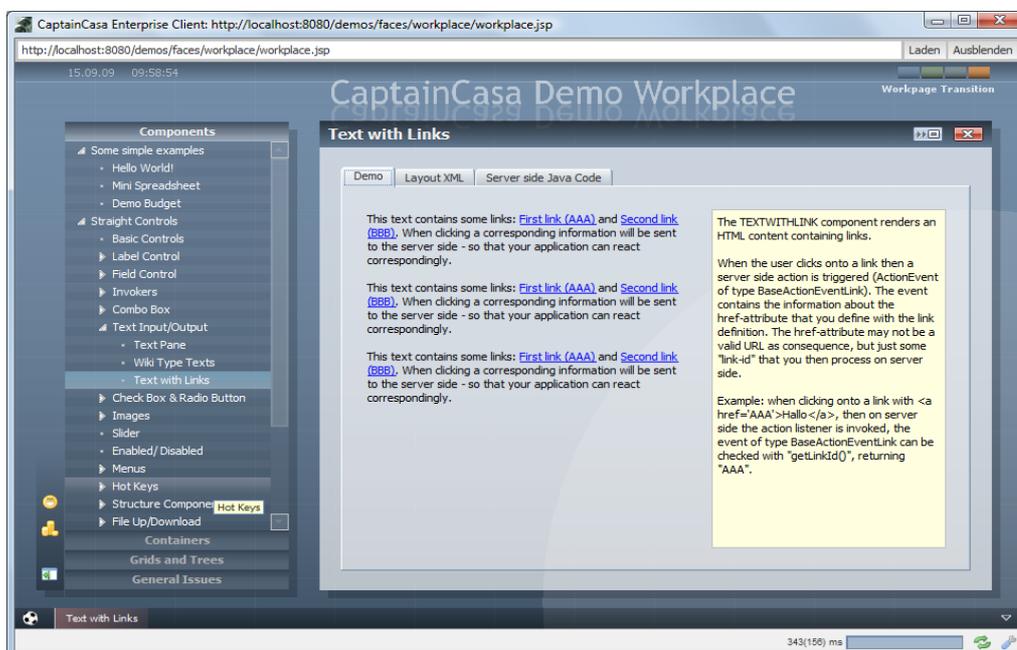
You now can explicitly control if a grid columns supports sorting (or not).

Improvement - TEXTAREA supports Copy & Paste when disabled

You now can copy & paste text from a TEXTAREA, even if it is disabled.

Improvement - New Component TEXTWITHLINKS

The TEXTWITHLINKS component (we did not find a better name) renders HTML text, very similar to the TEXTPANE component (used with content type “text/html”). Now you can add links that are not resolved as hyperlinks but that trigger a call back to the server side processing.



CaptainCasa Enterprise Client

Please have a look into the corresponding demo.

Improvement - PDF Export also exports Header and Footer Information

When using the grid's PDF export then now also the header and footer definitions are

exported into the PDF.

Improvement - DYNAMICCONTENT Component

Up to now there “only” was a ROWDYNAMICCONTENT component - in which you can place dynamic content that is positioned as row. A ROWDYNAMICCONTENT component was resolved to:

```
<t:row>
...your dynamic content...
</t:row>
```

Now, there is a DYNAMICCONTENT component as well, that does not internally generate a row. So you can directly place dynamic content e.g. in a ROW. Before you always had to first create a pane and then use a ROWDYNAMICCONTENT component.

Improvement - SCHEDULEITEM-TEXTWITHLINEWRAP

In the SCHEDULEITEM component you now can define that you do not want the text content to be wrapped in case it does not fit into the component.

Internally the “non-wrapping” means that a different control is used as schedule item content: instead of using a text pane type of control, a straight label control will be used. Result: faster rendering.

2009, September 7th

Bug Fix - COMBOFIELD with KEEPFOCUS in Applet

When defining “keepfocus='true’” with a COMBOFIELD component, then the COMBOFIELD popup immediately closed after being opened - when the client was started as applet.

Bug Fix - Touch Screen “Virtual Keyboard”

The “DEL” button of the TOUCHVIRTUALCOMPONENT did not properly work. And when defining a number with a leading zero (e.g. “09”) then no further input of “0”s was possible.

Improvement - Selection of Popup Window Type with Components for asynchronous File Upload

There is a new attribute INFOPOPUPTYPE (values “modal”, “modeless”) with FILEUPLOADBUTTONASYNCHRONOUS and FILEUPLOADLINKASYNCHRONOUS. The default is (and was) “modeless”.

Bug Fix - Sizing Problem with LINK Component

When defining explicit sizes for a LINK component (same with FILEDOWNLOADLINK, FILEUPLOADLINK, ...) then the sizing was not properly executed - sometimes with the result that the LINK was not displayed at all.

2009, September 1st

Improvement - F1 also usable as “Hot Key”

The F1 key so far was reserved to be managed by the default F1/online help

management. Now you can in addition use it as normal hot key.

In case you want to explicitly switch off the default F1/online help management you can defined 'helpid="ccnof1help"'.

Improvement - Percentage Sizing in BGPAIN T

When using multiple percentage definitions there was the possibility of rounding effects, e.g. overlapping areas, which should not overlap. Now the calculation of widths and heights is taking these rounding effects into consideration.

Improvement - OK Reactor in OK Popup

You now can pass an OK-reactor into an OK popup definition. This OK-reactor is called when the user presses "OK" in the corresponding popup:

```
OKPopup.createInstance("Please read",
    "This is the content of the popup. "+
    "Please confirm by pressing OK.",
    new OKPopup.IOKListener()
    {
        public void reactOnOK()
        {
            StatusBar.outputSuccess("OK was pressed");
        }
    }
});
```

Bug Fix - Client Parameter Reset when Reloading

Some client parameters were reset (e.g. bgpaint-definitions for focus-painting) when opening the client configuration popup and reloading the page.

Improvement - Title for PDF Grid Export

You now can explicitly set a title for a PDF that is generated from a grid definition:

```
FIXGRIDListBinding m_rows = ...
...
...
m_rows.getExporter().getPDFExporter().setGridTitle("Demo Grid");
```

2009, August 24th

Improvement - Some pixels in the FIXGRID/ARRAYGRID

The grid is now drawn a bit cleaner than before: there was one empty pixel on the left and the right...

Improvement - Mini Animation when scrolling FIXGRID/ARRAYGRID

It is now possible to define an animation when the user scrolls a grid. The result: a better user experience when executing server side scrolling - something happens on the client, inside the grid, immediately when triggering the scrolling.

The animation is controlled via FIXGRID/ARRAYGRID-SCROLLANIMATIONTYPE, you may define the following values: "fog(color,start-transparency-in-percents)", e.g. "fog(#FF0000,10)". As result the grid will be covered with a "little bit red" which

disappears after having executed the scrolling (including the server side roundtrip).

The default style sheet was updated so that there is a “gray shading” for normal grids and a “white shading” for grids in the workplace area (function tree).

Improvement - Soft closing of all Workpages

The IWorkpageContainer interface now contains methods allowing to close all contained workpages - not the “hard way” (closeForced), but the “soft way”. Please check the example “Restart Workplace” in the demo workplace (General Issues > Workplace) for details.

Improvement - BGPAINTE Drawing Commands with float-Percentage-Definitions

You now may define float values (“10.56%”) in BGPAINTE definitions. Background: sometimes the integer-percentage definitions are not accurate enough for correctly positioning lines.

Please note: float-values are only allowed with BGPAINTE definitions, they are not allowed when defining normal WIDTH and HEIGHT values!

Improvement - FILEDOWNLAD* with immediate opening of downloaded File

There is a new attribute OPENIMMEDIATELY with the FILEDOWNLOAD components - in addition to the attribute OPENSUPPORTED. If defined as “true” then the downloaded content (e.g. PDF File) will immediately be opened on client side.

...but: you explicitly have to tell the client to do so, by setting the (new) client parameter “downloadopenimmediately=true”. This was made to ensure that you still can switch off this behavior due to security considerations.

2009, August 17th

Improvement - FOCUSABLE attribute available for FIXGRID/ARRAYGRID and GRIDCOL

As result the focus can be explicitly deactivated for these components.

Bug Fix - Split Pane Resizing

The SPLITPANE component sometimes resized its contained inner SPLITPANESPLIT components when processing a response from the server side.

Improvement - Test Tool Popup Management

When recording a test then by default popups are shown in “undecorated-mode” only. Background: events (mouse clicks) are no record-able, when being executed on a window’s frame.

...how to close an undecorated popup, when it has no explicit close-button? Just use the keyboard “alt-F4” or “escape”.

Improvement - ROWTITLEBAR can be used to move popup windows

By defining ROWTITLEBAR-ISWINDOWMOVER to be “true” the underlying popup will be moved when the user drags&drops the title bar area. As consequence you can open up undecorated popup windows, and still the user is able to move them.

Improvement - Grid Columns Dialog now with “Reset Changes”

The dialog that is opened by FIXGRIDBinding.onEditColumnDetails(...) now provides the possibility to reset changes that the user just made.

Bug Fix - Session Invalidation during Invoke Phase

The possibility to invalidate http-sessions during the JSF invoke phase sometimes caused a runtime error - e.g. in the demo workplace. It's always a bit of a problem, if the session is invalidated - because the rendering phase sometimes needs certain information that is part of the session.

We now updated the “session invalidation management” so that it is much more reliable: in case of session invalidation a corresponding response-http-header attribute is sent back to the client. This attribute makes the client reload the URL it was started with.

Mini Improvement - FORMATTEFIELD, “time” input

You now can input one-digit times, e.g. “7” for “07:00”.

Improvement - IWorkpageContainer extensions

The interface IWorkpageContainer now allows to query for the current content page and for the page that is currently selected within the workpage selector.

Improvement - Popup Animations

When opening a popup then a mini-animation is executed - there is a certain gray foreground disappearing... When setting client parameter “animate=false” then this animation is not executed (as with other animations).

Bug Fix - Selection in Grids

In special constellations (<http://www.casabacdemo.com/forum/posts/list/742.page>) the selection in the grid was not accepted. Only happened with 'avoidselection="true"' and some other additional things, but it happened...

2009, August 10th

Bug Fix - Defining “0” within TOUCH-components

...did not work...

Improvement - Special Message Popup when checking Regular Expressions

In FIELD and COMBOFIELD you can specify a REGEX attribute, in which you can define a regular expression against which the user input is checked. Now, there is a new attribute REGEXHINT: with this attribute you can define a text that pops up below the field when

the user enters a text that does NOT match the expression.

This REGEXHINT attribute is quite similar to the USERHINT attribute: the text is shown in an extra area below the component. But: it only pops up, if the field contains a wrong value, whereas the USERHINT always pops up, if the user sets the focus into the field. In case you define both USERHINT and REGEXHINT then both texts are shown, with a separator between.



Improvement - Coloring when Error in Regular Expression

The coloring of the field containing a REGEX-definition that does not match the field's content can now be explicitly defined using client parameter "regexerrorbgpaint".

Improvement - FIXGRID-AVOIDROUNDTRIPS

The avoiding of roundtrips when selecting grid item so far differentiated between:

- "false" ==> roundtrips were done with every selection
- "true" ==> roundtrips are done if the user changed data in the corresponding line

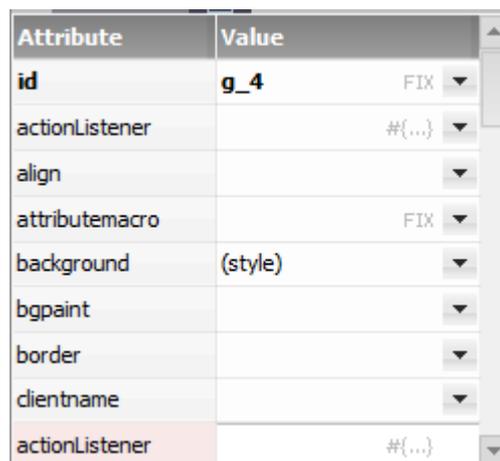
Now the pure boolean was updated to be an integer definition (of course "true"/"false" are still valid!):

- "0" ==> roundtrips are done with every selection
- "1" ==> roundtrips are done if the user changed data in the corresponding line
- "2" ==> roundtrips are never done on selection

The new mode "2" means, that the user navigates through the grid without any automated roundtrip to the server side.

Improvement - Information behind Attribute in Layout Editor

The list of attribute values within the Layout Editor now shows some add-on-information about the attribute value that you can define.



| Attribute | Value |
|----------------|---------|
| id | g_4 FIX |
| actionListener | #(...) |
| align | |
| attributemacro | FIX |
| background | (style) |
| bgpaint | |
| border | |
| clientname | |
| actionListener | #(...) |

"FIX" is shown in the background, if the attribute's value must not change during the lifecycle of the corresponding component. In the image above, the ATTRIBUTEMACRO is such an example: you define it either via static value or via expression value: if defined as expression then the component will not react on further changes of the value behind

the expression.

“#{.}” is shown in the background, if the attribute's value must be an expression (rather than a static value definition).

Improvement - Optional Layout Editor Tool “UI Test”

The first version of a UI Test tool was added to the Layout Editor. Please view further information within the news-section of www.CaptainCasa.com.

Improvement - Attribute FLUSHAREA

This is something very interesting: we roll out with this update - examples and further information will be added with next update.

You now can define on container (PANE, SCROLLPANE, ...) and row (ROW) level the attribute FLUSHAREA. If defining “true” then a flush will be sent to the corresponding action listener, if data was changed inside the area and if the user is about to leave this area.

This is a very useful feature: you do not have to define FLUSH to be “true” with all elements of an area in order to check some consistency of data input, but you can do it on a higher level.

In grids (FIXGRID) you use FLUSHAREA for changes of data within the whole grid, and ROWFLUSHAREA if you want to react on data changed within each row.

2009, August 3rd

Bug Fix - Empty Popups showing up

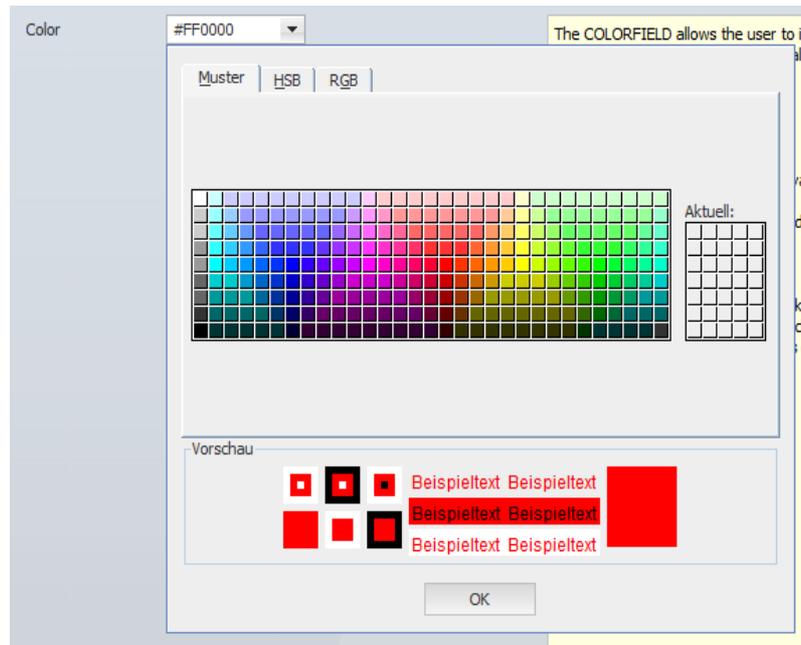
In (complex) popup scenarios - one popup being closed and opening the next popup - it sometimes occurred that popups showed up, but did not show an content.

Bug Fix - Client Side Nullpointer with FILEDOWNLOAD

The FILEDOWNLOAD component showed a null pointer on client side when being activated.

Improvement - New Component COLORFIELD

The color field allows the user to select a color as “#rrggbb(tt)” string. When opening the corresponding popup then the default color chooser of Java Swing is shown.

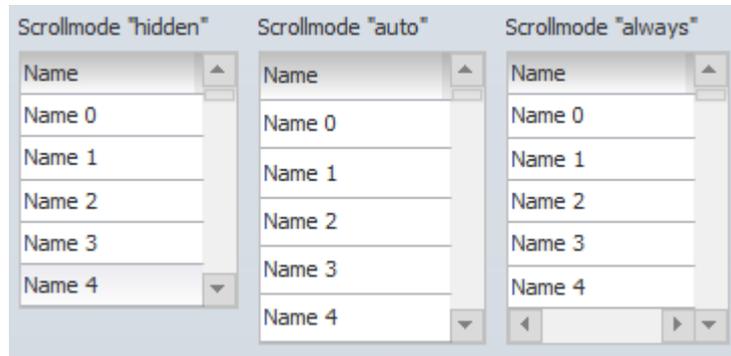


Improvement - MENUBAR and POPUPMENU Border

The border that is drawn around MENUPARE and POPUPMENU menus is now explicitly define-able, using the POPUPBORDER attribute.

Improvement - Horizontal Scrolling in Grid

You now can explicitly control, if a grid (FIXGRID, ARRAYGRID) should show a horizontal scrollbar or not. The vertical sizing of the grid reacts correspondingly.



Improvement - LINK components in Grid

When being used inside a grid then the LINK components showed a not-nicely-drawing of the line, that is drawn below the text of the link.

Improvement - LINKVERTICAL

Using the new component LINKVERTICAL you now can provided vertical, click-able texts:



Improvement - Automated Sizing of Popups

Up to now you had to explicitly pass a width/height definition when creating a Modal/ModelessPopup. When now passing "0" as width/height, then the corresponding width/height is calculated out of the content of the grid.

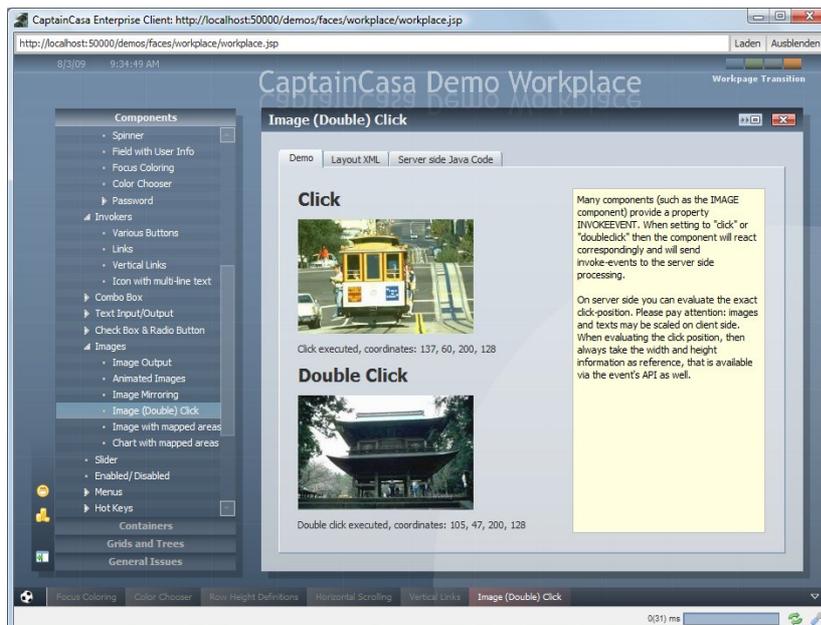
Pay attention: in many cases you have a scrollpane (e.g. as part of ROWBODYPANE) as part of you page layout. The size of the scrollpane - from minimum calculation perspective is "close to 0": the content of the scrollpane can be scrolled within the scrollpane, so it does not occupy any space on its own.

Improvement - Vertical Scrolling with Mouse Wheel

In normal scrollpane-components (e.g. SCROLLPANE, ROWBODYPANE, ...) the scrolling speed when scrolling with the mouse wheel was very slow - because of a very small definition of the scroll-step-size.

Improvement - Mouse Position transferred with INVOKEEVENT

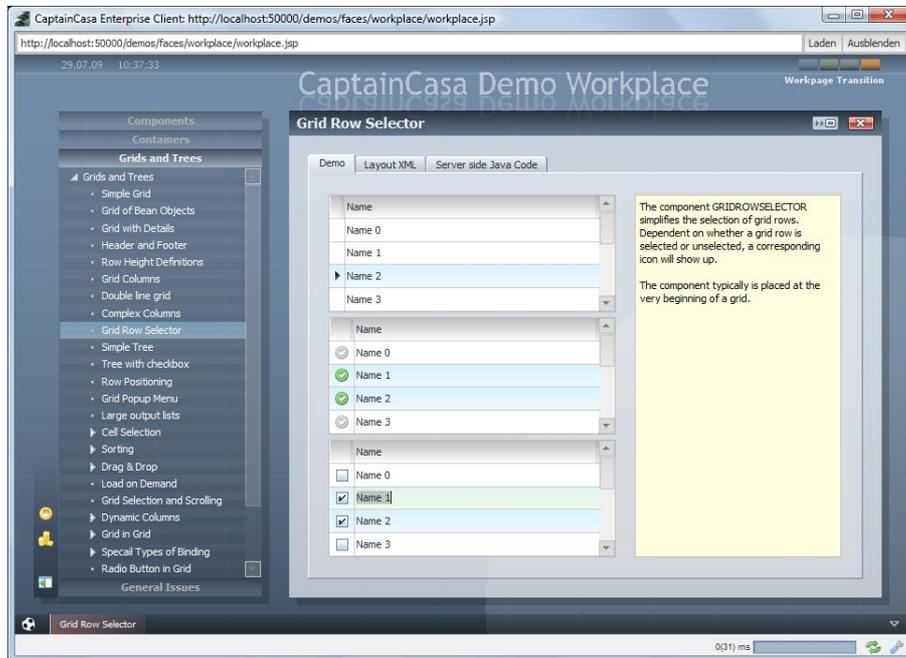
When using INVOKEEVENT (e.g. in the IMAGE component) you now receive access to the exact click position of the client side. Please view the example in the demo workplace:



2009, July 29th

Improvement - Grid Row Selection via GRIDROWSELECTOR

There is a new component GRIDROWSELECTOR that allows to select grid rows - the result is rendered as true/false image. Grid rows still can be selected by just clicking into the line - but for many users it's just “more straight” if there is an explicit selection component that they can use. Please view the demo within the Demo Workplace:



The default icons for showing the selection are “no icon” for false, and “arrow icon” for true. You can update as part of the component definition. In the demo-application there are corresponding icons that you may use for rendering a checkbox.

Improvement - TABBEDLINE-RESELECTABLE

The TABBEDLING component now allows to re-select an existing item. Before the client did not send an event to the server side, when the user re-selected an already selected tab.

Bug Fix - BUTTON (and ICON) lost selection-coloring in Grid

Selected rows within a grid are colored in a certain way (default: light blue). When moving the mouse over a button and then leaving the button then the selection-coloring was removed.

Improvement - Special background coloring via BGPAIN

You normally set a plain background for a component by setting the BACKGROUND attribute or by defining “background(#rrggbbtt)” within the BGPAIN attribute. Now, there is a special background coloring in addition that you can define inside BGPAIN: “backgroundnofocus(#rrggbbtt)” will draw the background color that is passed as parameter - but only if the component does not own the focus.

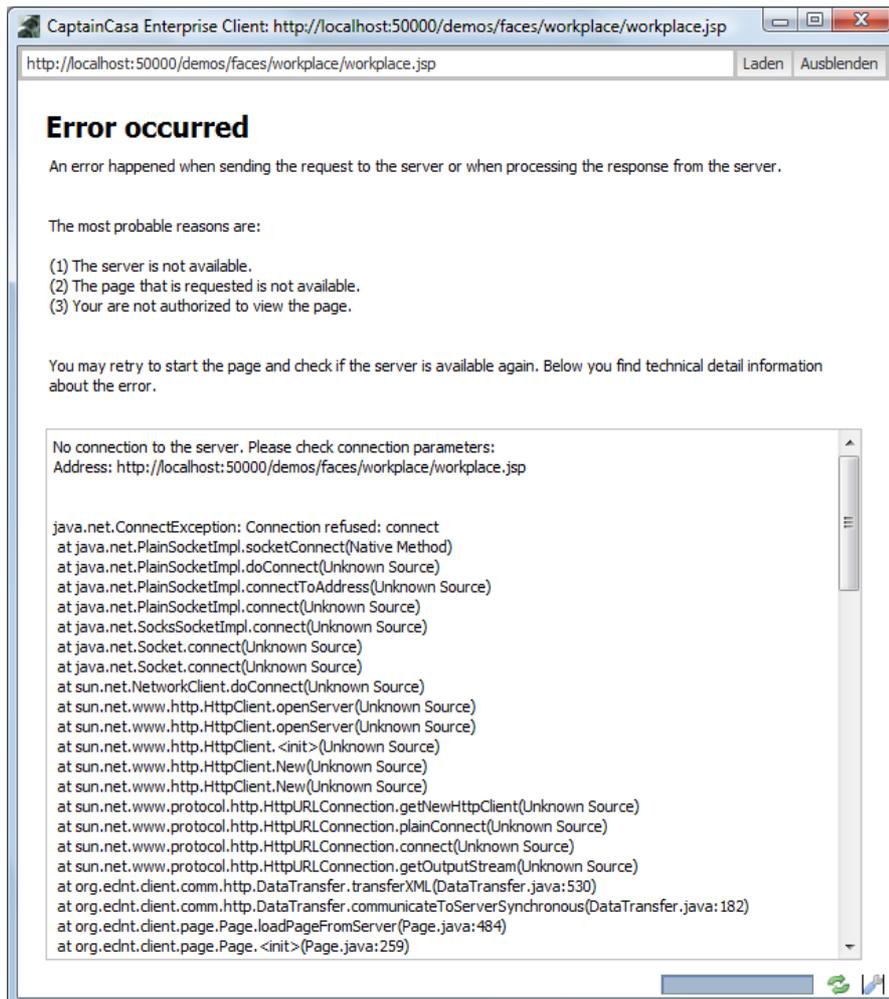
Improvement - Focus in CALENDARFIELD-Popup

...if the popup contains an OK button, then the default focus is positioned onto this button.

Improvement - Good bye “Tequila Screen”

When an error occurred on client side then so far the error was output to the user via a yellow/orange screen in which the stack trace was shown. Well, for non-techies this screen seemed to be a quite shocking experience.

Now we have a much more serious, much better looking and a bit more boring ;-) screen telling the user what's going on:



...the text of the screen is internationalized now as well.

Bug Fix - TEXTPANE Size Calculation

The size was not calculated 100% perfect in some situations (e.g. when having defined borders). We internally added some “guess pixels” in order to bypass - now the calculation is precise...

Improvement - TREENODE default Icons

The default Icons now can be defined by using client parameters, the parameters are “treenodeimageendnode”, “treenodeimagecloses”, “treenodeimageopened”. The value of the parameters must be a resource that is part of the client libraries.

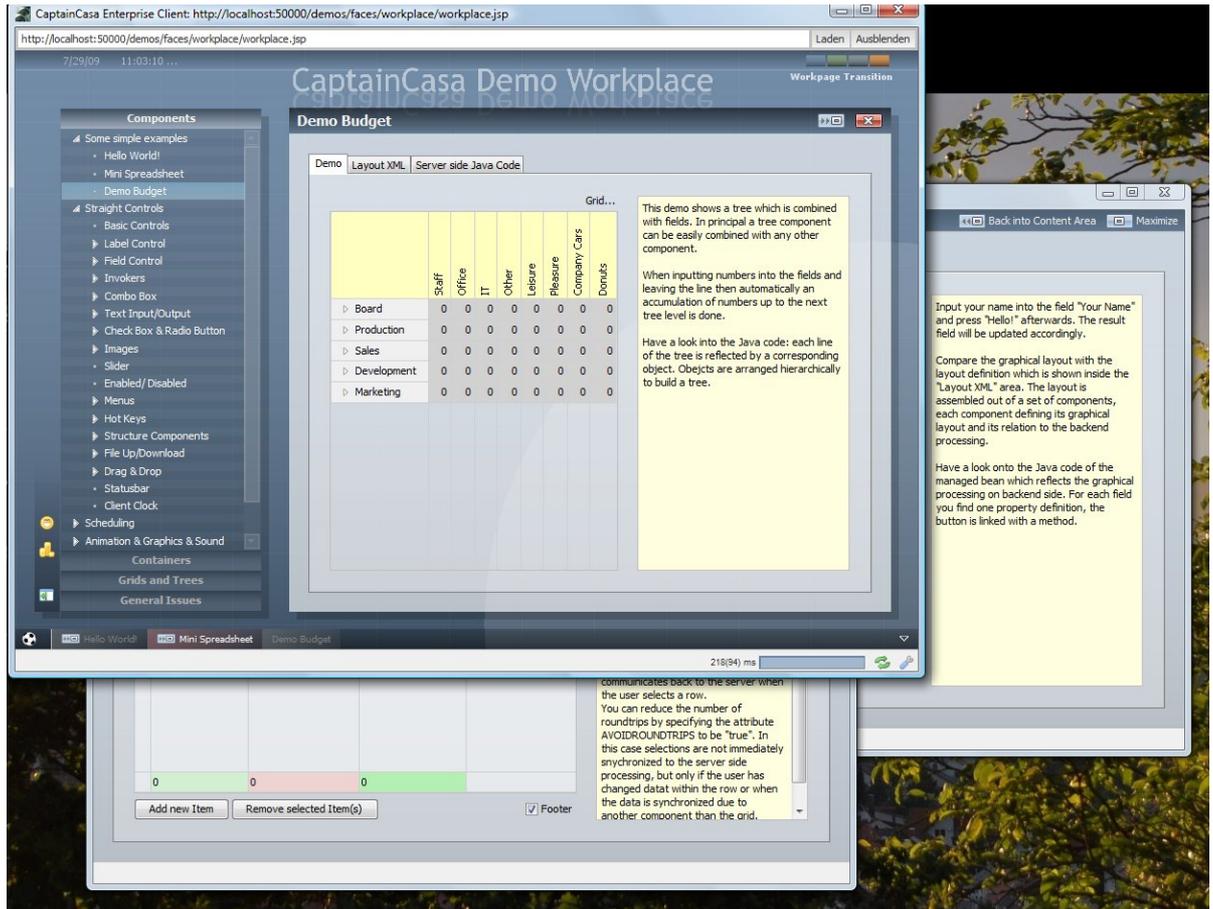
Improvement - “Real Window Popups”

Up to now it was only possible to use Java-Dialogs as popup. Java-dialogs have a fix binding to their owning screen (e.g. the owning screen cannot be put in front of the dialog), and Java-dialogs do not provide a maximize/minimize icon on their right-top.

Now there is a Java-Frame bases modeless popup available. You need to define this type of popup by calling the function “ModelessPopup.setOpenAsFrame(true)” after having called “ModelessPopup.open(...)”. The popup as consequence will come up as own frame, i.e. you will also see it as regular icon within the task bar of your operating system.

All the other things (closing the popup etc.) is exactly the same as with normal popups.

The first candidate to use this is the workplace:



In the screenshot you see that isolated workpages are positioned behind the main workplace window. User “IWorkpageContainer.setOpenWorkpagePopupsAsFrame(true)” in order to activate this feature.

We will provided extended documentation in the Developer's Guide very soon.

Improvement - Decimal output “up to N digits”

In the FORMATTEDFIELD you so far can define that a decimal value should be output with exactly n digits (following the decimal separator). You do so by defining the FORMATMASK attribute as “dec1”, “dec2”, ... Example: The value “50” was output as “50,00” when setting FORMATMASK to “dec2”.

Now there is a new FORMATMASK in addition: “decmax1”, “decmax2”, ... means that the value is output with a maximum of n digits behind the decimal separator - but there is no automatic filling with “0”s.

Bug Fix - Http Header Parameter eclnt-width/eclnt-height

These header parameters tell about the window size of the main client window. Up to now these parameters did not reflect the window size (as documented) but they reflected the inner size of the client component within the window. This means the title area and the borders were not taken into consideration.

2009, July 20th

Bug Fix - Automatic (unwanted!) Scrolling in File Selection Popup

In the popup that allows the user to select a file (file upload and file download) the folder list automatically scrolled to the very left when clicking a folder. You had to scroll twice as consequence.

Bug Fix - PDF for Grid: Resource Expressions were not resolved

When creating a PDF document for a grid (extended grid functions) then the title column texts were not correctly resolved when being defined as expression pointing to a resource (“#{rr.resourceName.textId}”).

Bug Fix - Download Info Dialog immediately closed...

...when it was called from a modeless popup that is defined to close automatically when someone clicks outside the popup.

Improvement - No “Flashing” of valid values Dialog

When opening a valid values dialog from COMBOFIELD and clicking onto the icon of COMBOFIELD again then the valid value dialog closed, opened and immediately closed once again. Now it just re-opens.

Improvement - Client driven Setting of Locale

It's an issue which is always a bit confusing when getting into the topic of internationalization: the client has language/country settings, the server has language/country settings. You could have a German client (e.g. see the calendar in German) and an English application (i.e. applications texts in English).

But: in most cases both client and server session are in synch...

So, now, there is a configuration option in “/eclntjsfserver/config/sessiondefaults.xml” to automatically always take over the Locale-settings of the client into the server side processing:

```
<sessiondefaults
  ...
  ...
  takeoverclientlocalesettings="true"
/>
```

This simplifies language management a lot for the default cases...

Improvement - Starting a Client Program

By using the new component STARTPROCESS you can now start a client side program and pass parameters to it. This is a nice function for client side integration problems - on the

other hand is quite dangerous because the client can now start any type of program...

As consequence, the user has to confirm the starting each time. There is a demo in “General Issues > Client Integration > Start Client Program”.

2009, July 13th

Improvement - AUTOCOMPLETE “left aligned” when leaving field

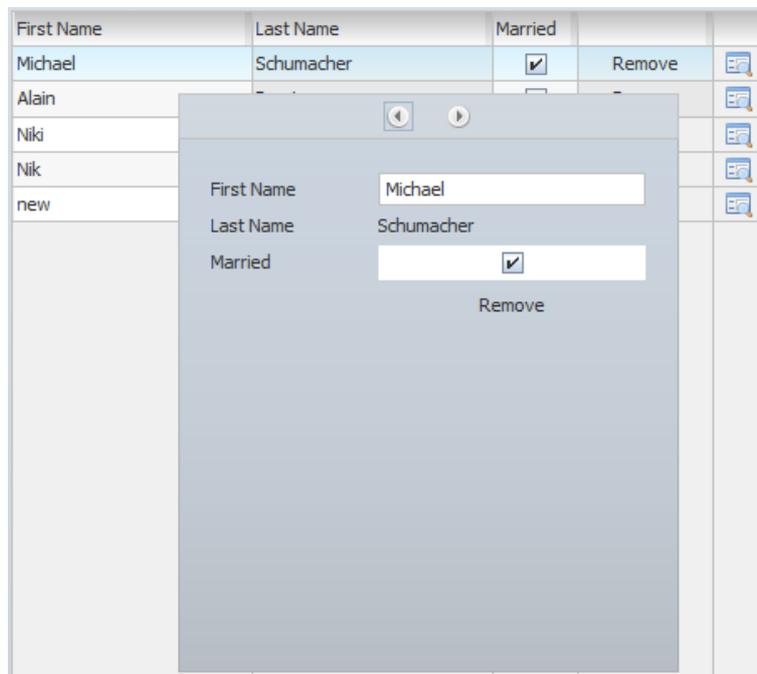
The content of the text inside the AUTOCOMPLETE component is now left aligned when leaving the field. If the text is longer than the component then it was left at the current text cursor position before.

Improvement - Animated GIFs are supported

You now can use animated GIFs where ever you can define an image-attribute. But...: there is one restriction - the image's name must contain the string “_animated”! There is a certain technical reason for this, which has to do with scaling - animated images cannot be scaled in the same way as normal images - so the client needs to know about the animation via the name.

Improvement - “Vertical Display” of Grid Rows

This is something nice... ;-) - in a very simple way you now open a popup on top of a grid. The popup contains all the grid columns of the currently selected row, and renders them in vertical order:



The popup contains some navigation buttons to move the selection into the next previous row. As you see from the screenshot the components that are rendered in the popup “on the right” are exactly the ones that are used within the grid row.

Adding this feature is very simple:

- Call “#{...<FIXGRIDBinding>.rowDataUI.onOpenRowDataPopup}” for showing the columns that are currently visible, i.e. the user updates the columns sequence and/or removed some columns then this is represented in the popup.

- Call “#{...<FIXGRIDBinding>.rowDataUI.onOpenRowDataPopupAllColumns}” in order to show all columns that are defined within the layout definition. In this case the sequence of columns is taken from the layout definition as well.

Bug Fix - Layout Editor Preview did not correctly resolve “Hash Expression”

You may define the following type of expression: #{a.b[“a key”]}. In this case there is a Map-get-access to “b”, i.e. at runtime b.get(“a key”) is called. The “-character is stored as “"” within the XML layout, and this was not correctly resolved when directly accessing the page. There was no problem with resolving the expression once the page was included into another page, there was only problem with direct access.

Well, the Layout Editor is the one to do direct access...

Improvement - Automated Scrolling when tab-ing through Screen

It is now taken care that the components that gains the client side focus is scrolled to a position where it is possible. This is extremely useful in grids in which you can horizontally scroll - now the scrolling is automated when navigating through the grid by keyboard usage. Before the focus was moving into an invisible area of the grid...

Bug Fix - COMBOBOX with null-item

When working with null-items and at the same point of time using the FLASH attribute, then the combo box value selection did not trigger a server side roundtrip.

Bug Fix - LABEL with no text contained

The LABEL was drawn with a width of “0” - now it uses the width that is defined within the WIDTH-attribute.

Improvement - LABEL with image

You now can assign an image to a LABEL component, too. The image is drawn in front of the label.

This feature is internally used within the ARRAYGRID runtime management. Columns with contained images do no cause the creation of a complex PANE-ROW-IMAGE-LABEL composition but directly draw the image into the label.

Improvement - SESSIONCLOSER keeps session...

...when user indirectly reloads the page by changing the page's configuration parameters. In other words: when the user changes the scaling of the page (or the client language, ...) then no loading of a new session is done, but the user stays in his/her current session.

Bug Fix - Modal/ModelessPopup.setLeftTopReferenceCentered()

... did something different than really centering the popup.

Improvement - Positioning Popup at bottom of other Component

There is a new function now available with Modal/ModelessPopup: setLeftTopReferenceComponentIdBottom() - which positions the window that is popped up directly below an other component, of which the id passed into the method.

Bug Fix - CALENDARFIELD, COMBOFIELD do not show icon if disabled

There were situations before when the icons for opening the calendar/value help were visible though the component itself was switched to disabled (enabled="false"). Pressing the icon did not allow any data change - but from usage perspective it was a bit confusing.

Bug Fix - Layout Editor crashed when saving a read-only-Layout File

...well, this was specially annoying for users of e.g. Perforce or Visual Source Safe - where all development files that are not explicitly checked out are marked as read-only...

Bug Fix - Centering of popup windows via setLefTopReferenceCentered

...centering moved the popup to a wrong position. Now centering finds the correct one.

2009, July 6th

Pay Attention - iText-2.1.6.jar added to Server Side!

Due to default pdf-functions that were added to the grid processing, the library iText-2.1.6.jar is part of the web application part of CaptainCasa Enterprise Client.

In case you use an own version of iText, make sure that either your iText-usage still works fine, or remove the iText-2.1.6.jar and replace with your own version. The pdf-functions that are required by CaptainCasa are very low level so we do not expect any problems running the web application with a lower version of iText.

Bug Fix - JSHOWURL showed page two times

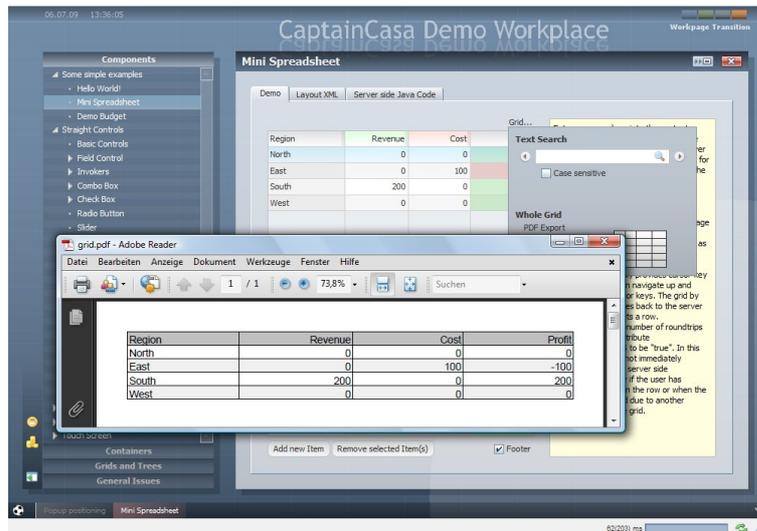
When starting JSHOWURL from an applet and having set attribute USEDESKTOP to "true" then the page that you want to show within a browser instance was opened two times. The error did not occur when running the client in webstart mode.

Bug Fix - ComboBox value selection

When picking a combo box value via mouse click (not via keyboard) then the selected items sometimes was not taken over.

Improvement - Automatic PDF Export for grids

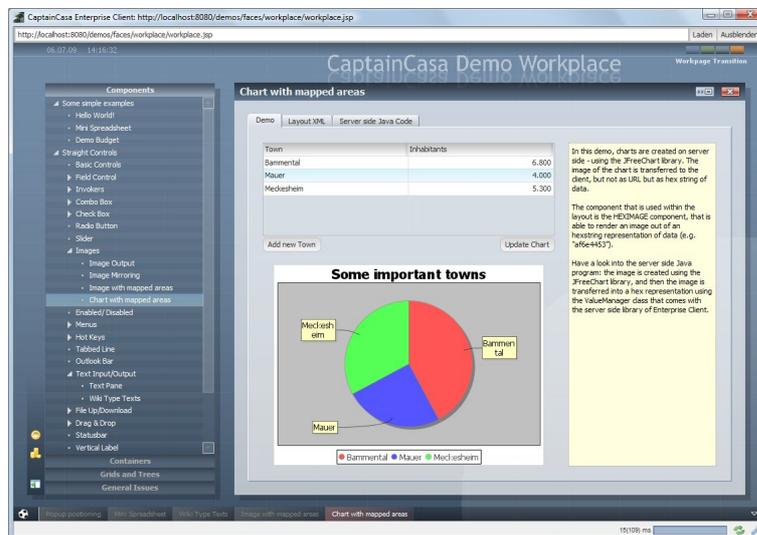
It is now possible to export grids into PDF files by default. The export function is part of the "grid functions popup", by which you also can invoke the other export functions like csv-export or clipboard export.



The creation of PDF is done by using the iText open source framework. This is the reason for the iText-2.1.6.jar being part of the server side project from this update on.

Improvement - IMAGEMAP and HEXIMAGEMAP Component

Both components provide the ability to output a certain image - together with additional area information. Each area consists out of a text that is shown as tooltip when moving the mouse over the image. And each area provides an id: when the user clicks onto the area then an event is triggered on server side. Part of the event data is the id of the area on which the user clicked.



Improvement - Texts for hot keys now internationalized

The texts have been in English only before ("ctrl-A"), now German users see ("Strg-A"). Our favourite translation: "shift-..." is translated to "Umschalt-..." ;-)

Improvement - Popup position "by reference"

Modal and modeless popups now can be positioned relative to another component. View the demo "General Issues > Arranging Pages > Popup positioning" in the demo workplace.

Nice Demo - Wiki text input

Well, it's just the combination out of two components: the TEXTAREA for text input, and the TEXTPANE for text (and html) output. But the combination is quite nice: you enter the text in "Wiki-Syntax", your input gets translated into HTML on server side using the bliki.jar open source library.



Improvement - Menu Font now the same as normal font

The font that is used for menu items was a different font than the default font used for labels, fields, etc. - now it's the same.

Improvement - Better Visibility of focused component

A field, combo box, combo field, etc. now better indicates that it owns the keyboard focus: it by default switches its background to light yellow then the user steps into.

There are two client parameters that you can set for influencing the background of focused components:

- focusdarkbgpaint
- focuslightbgpaint

In the case of field, combo box, etc. the background of the component switches to the value specified with "focuslightbgpaint", other components (e.g. radio button, checkbox, etc.) receive the background painting defined via focusdarkbgpaint.

2009, June 29th

Bug Fix - FIXGRID Functions Popup

The newly introduced popup references a JSP page (eclntjsfserver/popups/gridfunctions.jsp). This JSP page contained a link to a non existing component library (that is part of the demo workplace).

Bug Fix - PAINTAREA Scrolling

The PAINTAREA did not scroll though being placed inside a SCROLLPANE.

Improvement - Some more attributes with AUTOCOMPLETE

You now can influence the AUTOCOMPLETETIMER, POPUPWIDTH and POPUPHEIGHT.

Bug Fix - ClassNotFoundException in Client: BEANPROCESSINGElement

By accident a component of type BEANPROCESSING was sent to client side - which could not be resolved. BEANPROCESSING is a server side component only...

Improvement - Disabled text coloring of COMBOBOX (editable) and AUTOCOMPLETE

The text was drawn in default-gray, now it is drawn with its normal colors, just the background indicates that the component currently is disabled.

Improvement - Rendering of hot-keys in MENUITEMs

The text for the hot keys now is rendered “at the right”, in dark gray color.



Bug Fix - Resize Problem with SPLITPANE

The SPLITPANE component showed some sizing problems. Result was, that the whole SPLITPANE area was rendered too small. After once resizing the screen, then the sizing was updated correctly. The error occurred particularly when placing a SPLITPANE component inside a LAYEREDPANE component.

Bug Fix - Odd/Even coloring of rows inside FIXGRID

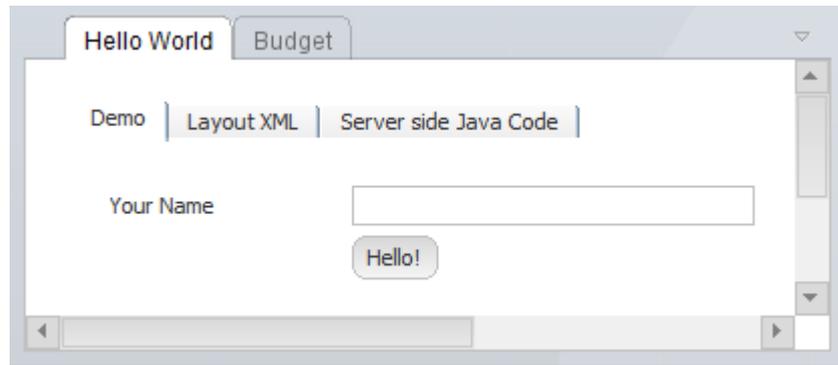
When adding columns (via column-sequence management) then newly added columns were not rendered with showing odd and even rows with different background colors.

Improvement - Empty BUTTONMENU switched to disabled

When a BUTTONMENU component has no menu at all, then it is automatically rendered in disabled mode.

Improvement - Attributes BGPAIN and BORDER with TABBEDLINE

The TABBEDLINE component now supports these attributes as well. You now can easily define the rendering of the TABBEDLINE to look as follows:



(Screen-shot taken from updated demo workplace.)

2009, June 22nd

Improvement - CALENDAR/CALENDARFIELD/FORMATTEFIELD-EXACTTIME

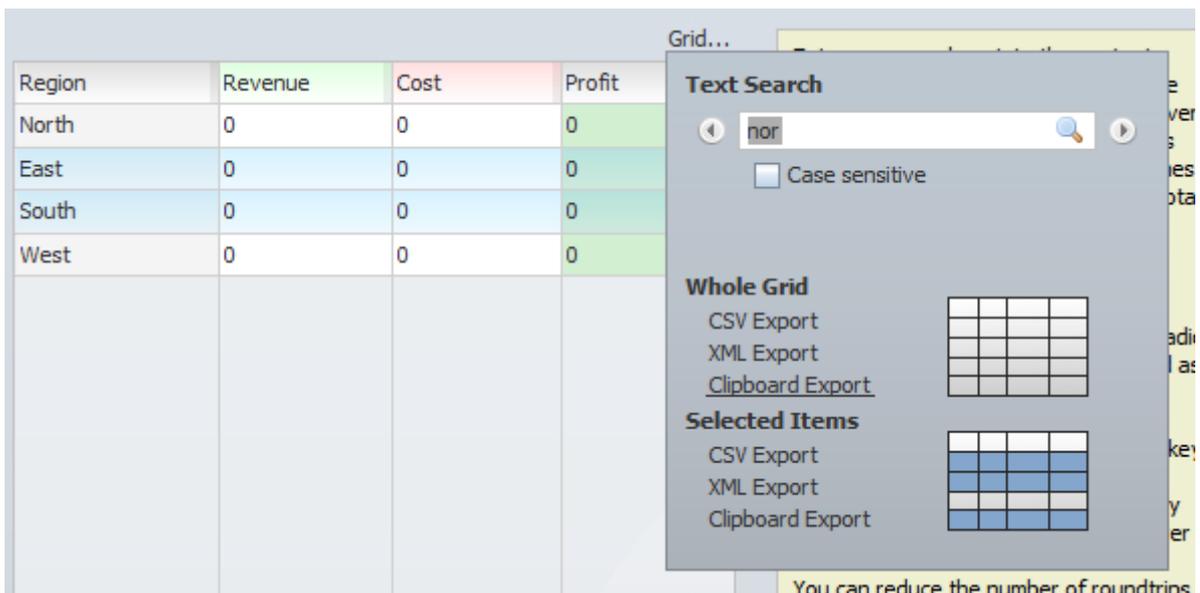
By setting the attribute EXACTTIME to true, then the point of time, selected by the user, will always be “zero-ed”. I.e. if the user defines “01st Jan 2001” then the whole timestamp will be “01st Jan 2001 00:00:00 000”.

Bug Fix - FIXGRID CSV/XML Export

...did not work sometimes - result was a null pointer exception on server side.

Improvement - FIXGRID Functions Popup

FIXGRIDBinding now contains a method “onOpenGridFunctions(...)” that can be directly defined as action listener for a button/ link/ menu. The method opens a dialog box, in which you can access extended functions for the grid:



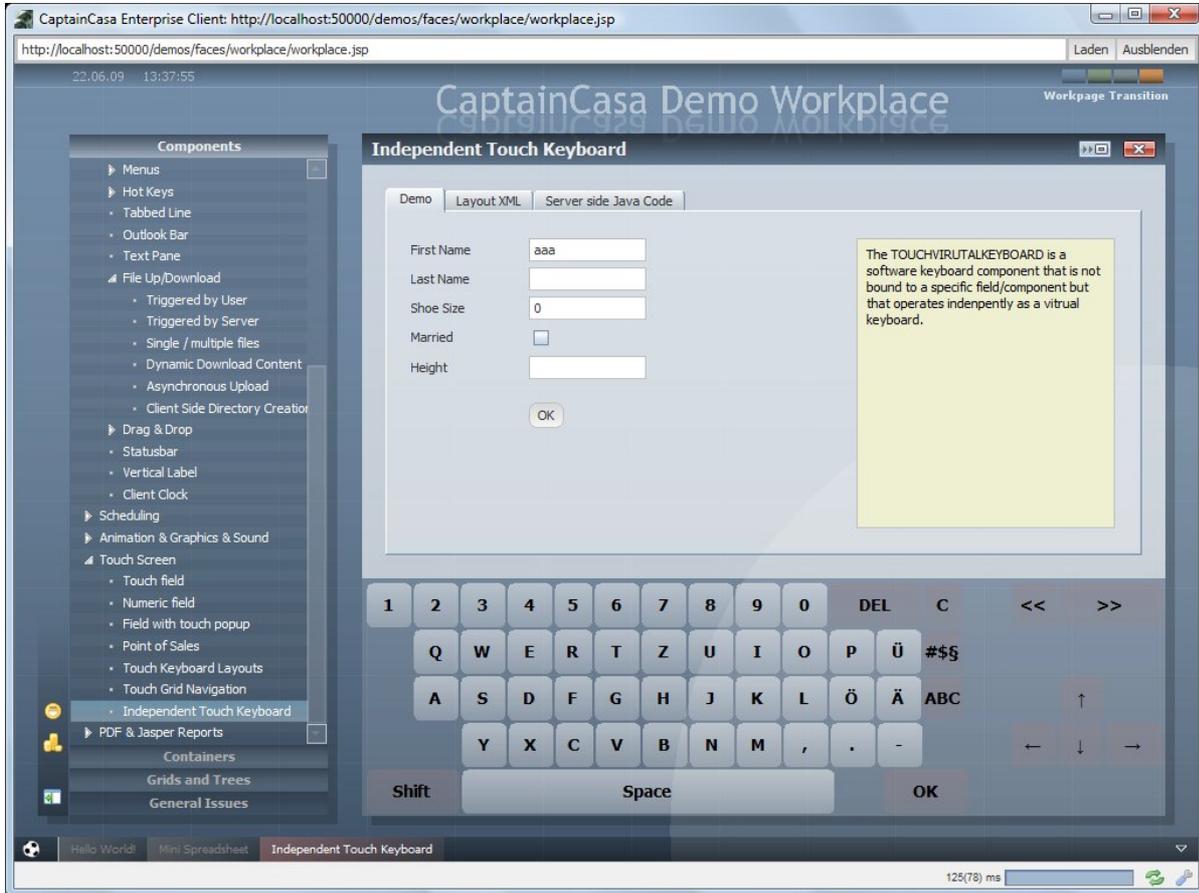
Improvement - Asynchronous File Download

When uploading a client side file asynchronously (e.g. FILEUPLOADLINK component with

ASYNCHRONOUS="true")), then your server side program receives a notification when the upload has finished. The event that is called within the action listener processing is "BaseActionEventUploadAsynchronousFinished".

New Feature - Virtual Touch Keyboard

This is the first version of the virtual touch keyboard:



The keyboard can be placed "anywhere" and directly simulated the events coming from a normal keyboard.

Bug Fix - AUTOCOMPLETE-Coloring

You now can set the FOREGROUND. And a bug was fixed when setting the BGPAIN.

Improvement - Centering a Popup Window

By setting the left and the top position of a ModalPopup/ModelessPopup to the value ModalPopup/ModelessPopup.POS_CENTER you now can position the popup in the center of the current window on client side.

2009, June 17th

Bug Fix - Column Sort Indicator did not disappear

When sorting one column, then the next - then the sort indicator within the header cell did not disappear from the first column.

Bug Fix - Value sometimes not taken over in editable COMBOBOX

In some situations the value was not taken over within a COMBOBOX, when having set COMBOBOX-EDITABLE to “true”.

Bug Fix - FOLDABLEPANE was closed with Server Roundtrip

When having defined FOLDABLE-OPENED to be “false” (direct definition, not via value binding), then the FOLDABLE-component was closed with each roundtrip, even though the user did open it before.

Feature - FIXGRID-MULTISELECTMODE

The default way of selecting FIXGRID-items is by “ctrl/shift-click”. For touch screen devices this is a bit a problem... - so you now can change the behavior using attribute FIXGRID-MULTISELECTMODE: you can define a mode, in which each click on a row indicates a selection/deselection (“click, click, click”-selection).

Feature - Positioning Popups in the Center

With ModalPopup and ModelessPopup you can pass the left/top-position as pixel value. Now there is a special value (use constant ModalPopup/ModelessPopup.POS_CENTERED), so that the popup is positioned in the middle of the screen.

Bug Fix - Scrolling in Valid Values Popup

When using COMBOFIELD with the default valid value selection popups, then it sometimes happened, that you could not scroll within the popup.

Feature - SORTREFERENCE Detection in the Grid

For “normal” situations the GRIDCOL-SORTREFERENCE now is detected automatically out of the component that is placed inside the GRIDCOL. Only for complex columns (in which you e.g. have a PANE as grid cell) you need to explicitly specify the SORTREFERENCE on GRIDCOL level.

Feature - FIXGRID CSV/XML Export

All grids now support the automatic creation of CSV/XML export files. Please check the demo workplace “Grids and Trees > Simple Grid” for details.

There is an “exporter”-Property available with FIXGRIDBinding, that provides corresponding URLs to be placed into FILEDOWNLOADxxx-components. The export takes the current columns selection and columns order into consideration.

Feature - FIXGRID Text Search

All grids now support the automatic search for content. Please check the demo “Grids and Trees > Simple Grid”.

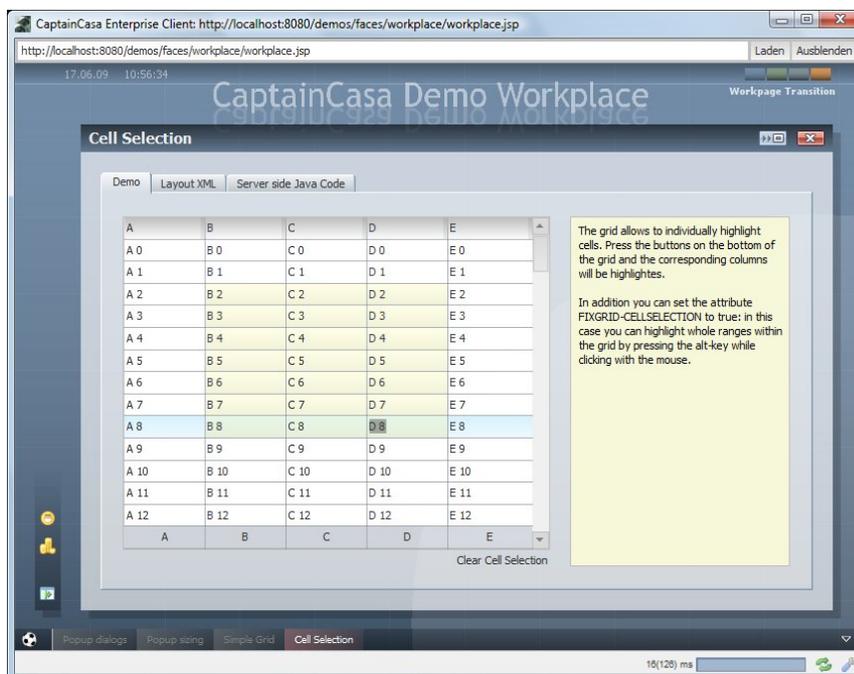
There is a corresponding property “textSearcher” available for all FIXGRIDBinding objects, the property itself is an object providing the search text and the search up/down functions.

| First Name | Last Name | Married | |
|------------|------------|-------------------------------------|--------|
| Michael | Schumacher | <input checked="" type="checkbox"/> | Remove |
| Alain | Prost | <input checked="" type="checkbox"/> | Remove |
| Niki | Lauda | <input checked="" type="checkbox"/> | Remove |
| Nik | Heidfeld | <input type="checkbox"/> | Remove |

Feature - FIXGRID Cell Selection/Cell Highlighting

You can now highlight individual cells. GRIDItem provides a corresponding interface to highlight/unhighlight cells. Check the demo “Grid and Trees > Cell Selection > Cell Selection”.

You can in addition switch FIXGRID-CELLSELECTION to “true”: then alt-click events are interpreted as cell range selections:



The FIXGRIDItem provides the following methods:

- highlightCell(int index)
- unhighlightCell(int index)
- unhighlightAllCells()

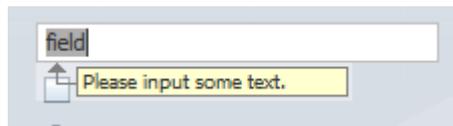
This is the first time we publish the cell highlighting/selection - so we are open for further enhancements.

Bug Fix - “mandatory()” in FORMATTEDFIELD

...the painting of “mandatory()” did not disappear with FORMATTEDFIELD components. Same with “writeifempty(...)”.

Improvement - USERHINT rendered nicer now...

The user hint information is now rendered in an updated way:



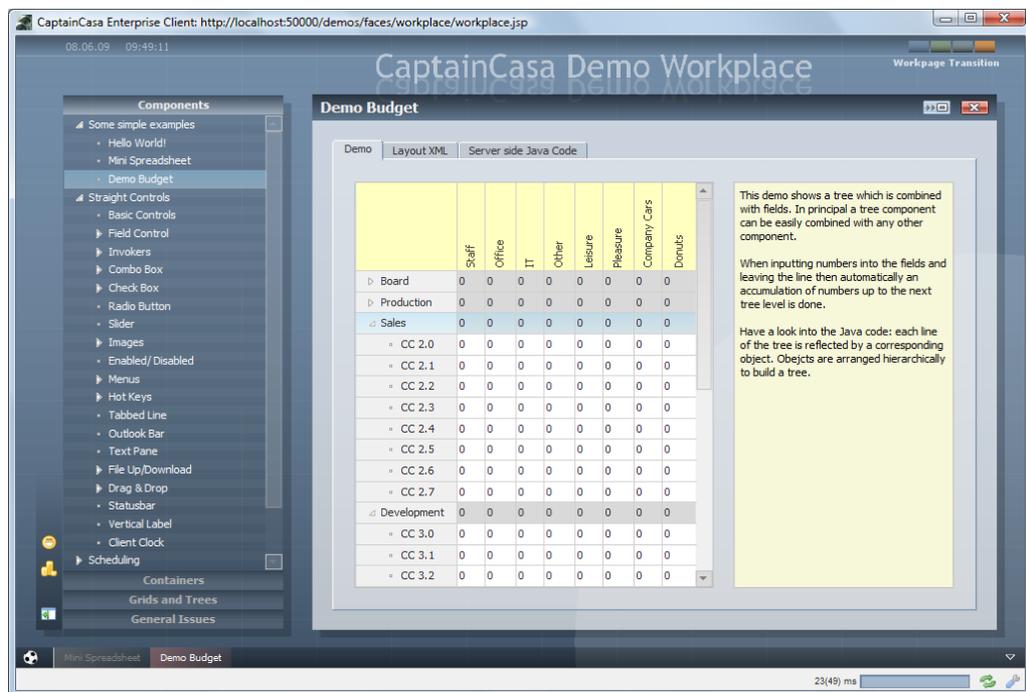
Improvement - FIELD/COMBOFIELD/COMBOBOX/... Text Rendering

The left-indenting of text was updated - so that there is a bit more distance from the field's left border to the beginning of the text.

2009, June 08th

Change - Demo Workplace: Change in Coloring

The default coloring of the demo workplace was updated from green to blue + some other color variants + background effects were added.



Improvement - Disabled COMBOBOX, CHECKBOC, RADIOBUTTON

The components are now much better readable when being disabled. Before the font color was changed to light gray, now the font color remains black (or the currently selected FOREGROUND attribute's value), just the background is grayed + the corresponding icons are switched to disabled.

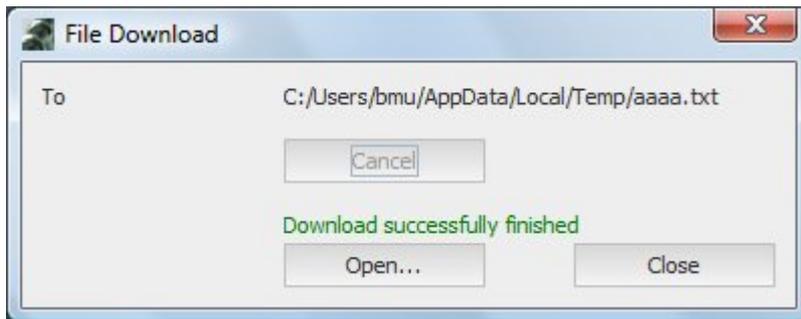
New Feature - Creating a Client Side Directory

The component FILECREATEDIRECTORY checks if a certain directory exists on client side, and if not, asks the user to create it. Please check the demo within the demo workplace.



Improvement - Directly Open File after Download

All download components (e.g. FILEDOWNLOADLINK) now provide the attribute OPENSUPPORTED. If this attribute is set to true then the user will be asked, if the downloaded file should be opened:



After pressing “Open...” the corresponding client side program is called by the operating system (internally called through the Java Desktop API).

In addition the download process now can be monitored a bit better by the user - the number of bytes, that is currently downloaded, is displayed within the download information dialog.

Improvement - Download in temporary Client Directory

If specifying “\${temp}/” as prefix for the name of the downloaded file then automatically the temporary directory that is assigned to the user within the operating system will be proposed as default download location.

Improvement - Download of big Data

For downloading big data amounts there is a new client side interface/implementation available: “IBufferedStreamContent”

```
public interface IBufferedStreamContent
    extends Serializable
{
    ...
    public void writeStream(OutputStream stream);
    ...
}
```

This allows the server side application to directly write content into the output stream of the download response - there is no need to keep the whole downloaded content as byte array, like in the interface “IBufferedContent”.

BTW: There is a whole new chapter on file download/upload within the updated Developer's Guide.

Improvement - Demo of JSHOWURL in Demo Workplace

A new demo shows how to open the browser with a certain URL from the client: General Issues > Client Integration > Start Browser.

New Feature - Client Start Parameter “maximized”

You can start the client (if called in web start / application mode), so that it is maximized immediately. User “maximized=true” as start parameter.

New Feature - Password Check against Regular Expression

Within the PASSWORD component you now can define a regular expression, against which the password is checked on input. Background: if cryptifying the password on client side then you cannot make sure that the password complies to certain formatting rules (e.g. “must contain one digit”) because what you see on server side is the cryptified result. Now you can defined rules via regular expressions.

This typically does not make sense in logon dialogs, but in administrative dialogs in which the user specifies his/her password.

New Feature - Explicit Scroll Buttons for Grids

In touch screen scenarios you now can add explicit scroll buttons to a grid. Use the corresponding component FIXGRIDTOUCHBUTTON. There is a corresponding demo within the touch screen section of the Demo Workplace.

2009, May 25th

Improvement - CALENDARFIELD Data Input

When defining dates with hours/ minutes/ seconds then the input dialog was quite difficult to use: now you can define date and time within the dialog and press OK to confirm the input:

The image shows a two-part dialog for date and time selection. The top part is a calendar for the month of May (Mai) in 2009. The days of the week are abbreviated as Mo, Di, Mi, Do, Fr, Sa, So. The 25th is selected and highlighted with a white border. The bottom part of the dialog shows the year 2009 and three spinners for time selection: Stunde (hours), Minute, and Sekunde (seconds). Each spinner has left and right arrow buttons. An OK button is located at the bottom of the dialog.

Improvement - PASSWORD Field with Encryption

The PASSWORD field now allows to directly encrypt the user input on client side. The algorithms that are used are either MD5 or SHA. The encryption is done on client side in the following way:

```
MessageDigest md = MessageDigest.getInstance(m_encryption);
md.update(value.getBytes("UTF-8"));
byte raw[] = md.digest();
String hash = (new BASE64Encoder()).encode(raw);
```

“m_encryption” is set to “SHA” or “MD5”, dependent from your PASSWORD-ENCRYPTION attribute definition. “value” is the text content of the password field.

Improvement - Style of Popup Menu

Components that open up a popup menu area (e.g. BUTTONPOPOP) now use a light-weight border style. In addition the border style can be explicitly set with BUTTONPOPOP-POPUPBORDER.

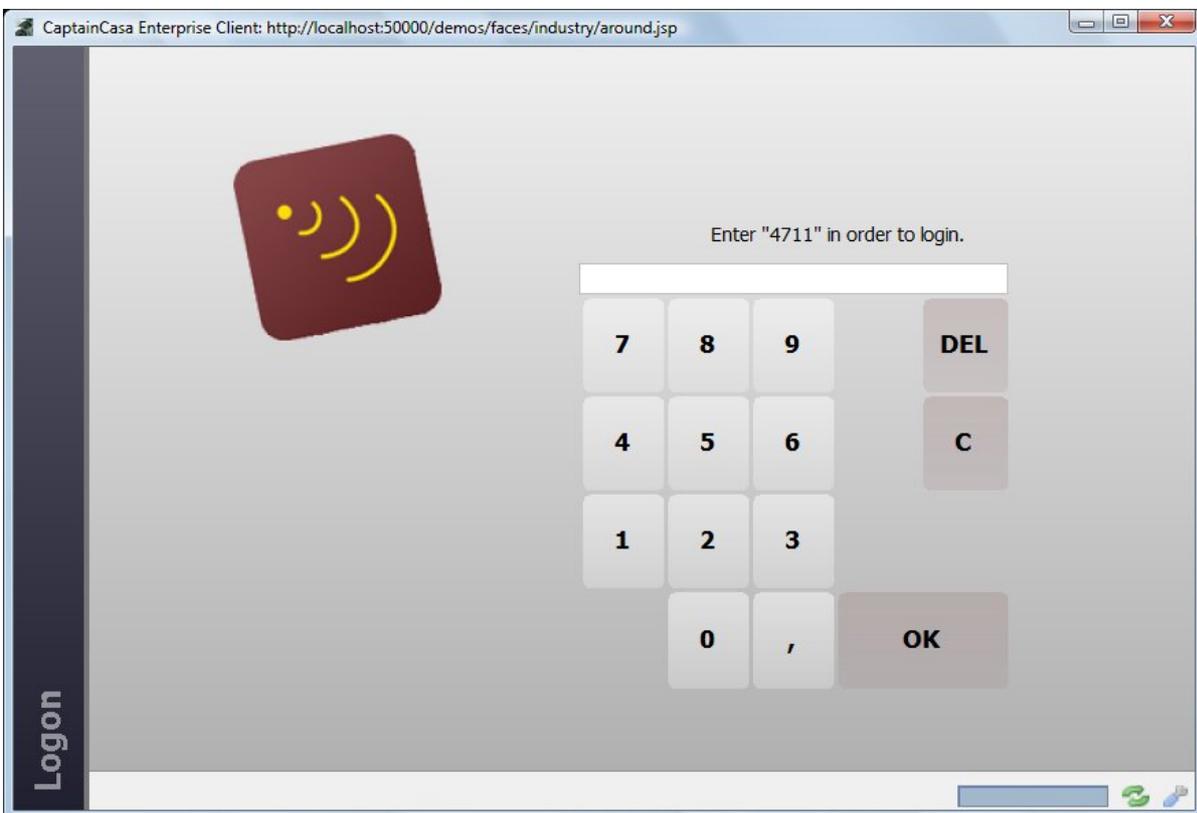
The style remained unchanged for all “real” popup menus, i.e. the ones opened up by the POPUPMENU definition.

Bug Fix - TEXTPANE Sizing

The height-sizing of the TEXTPANE component was wrong when having a percentage width definition and having an HTML or RTF content type definition.

Improvement - New Demo “Touch/Industry Terminal”

The “demos” application now includes a touch/industry terminal scenario. You can open it from the demos/index.html page.



2009, May 18th

Please pay attention: the web.xml file was extended - please update your project's web.xml file and add the new servlets "AutoCompleteServlet" and "UploadContentServlet". There's a web.xml_template available within the same directory as web.xml.

Improvement - LABEL-FORMAT "password"

The text in labels can be output with "password" as format definition. As content the data will not be shown to the user, the user only sees some "*****" characters.

The format can be passed within the ARRAYGRID's format-array as well.

Bug Fix - ARRAYGRID with null-Columns

The array grid behaved a bit strange when null values occurred in some rows/columns.

Bug Fix - ARRAYGRID with Search

The search feature (right mouse button click on column header opens up a search dialog) is now available by default within the ARRAYGRID as well.

Improvement - Mirroring of any Images

Any time you refer to an image (e.g. in an ICON, BUTTON, IMAGE, ... component), you now can very simply specify, that the image should be drawn with a certain mirroring/shadowing effect below:



You simply have to prepend the word "/mirrored:" in front of the path of the image.

The size of the mirror/shadow can be controlled as well.

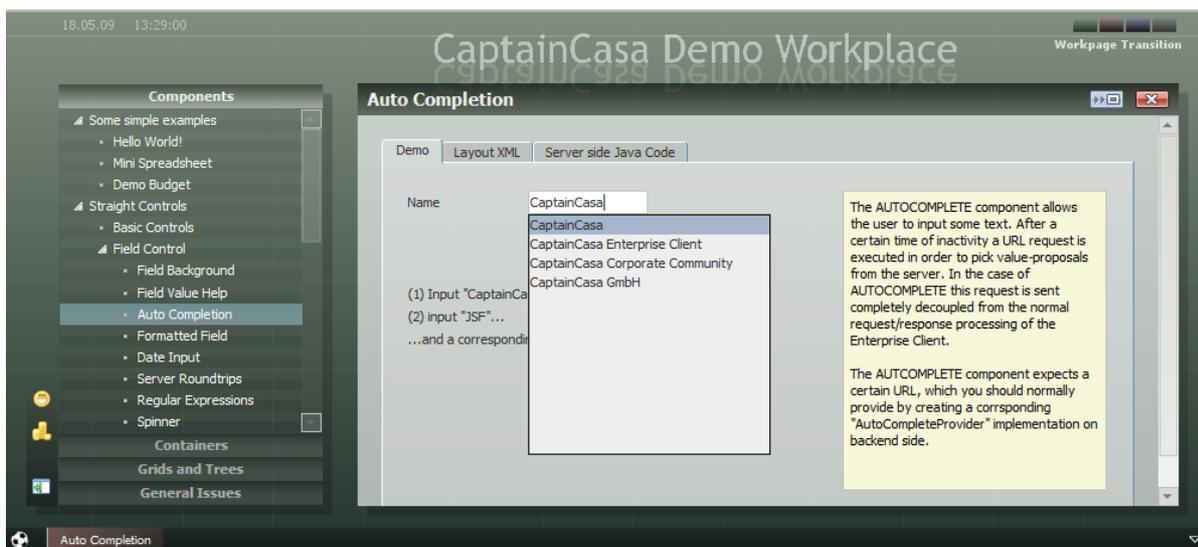
Improvement - Rounded Buttons

The buttons are a bit “rounder” now... - when being shown using the CaptainCasa default look and feel.

Improvement - New Component AUTOCOMLETE

The component is a special type of field/combo box: it looks for available value-proposals on server side and presents, if available, them within a popup. The user can select from the popup or continue entering data.

The special thing about this component is the way it picks data from the server: it does not use the normal request/roundtrip but opens up a parallel communication. Please check the example within the demo workplace:



Improvement - New Components for asynchronous Upload

It is now possible to upload files to the server side asynchronously. I.e. the user can continue with normal operations, the file upload happens in parallel.

Please check the Demo Workplace “Components > File Up/Download > Asynchronous Upload”.

Improvement - Confirm by User when Closing Client

When closing the Enterprise Client (e.g. by pressing the close-icon on the top-right) then so far the client was immediately closed. Now there is a confirmation dialog, in which the user has to confirm the closing.

If you do not like this confirmation dialog: there is a client parameter “confirmexit” which you can set to “confirmexit=false”.

Please note that this check is only available when starting the client using web start. It is not available when the client is started as applet.

Improvement - COMBOBOX-BGPAINT Coloring

The COMBOBOX so far did not allow too much BGPAINt-painting. The reason: in “normal” components first the BGPAINt is executed, then the normal painting of the component is drawn on top.

The COMBOBOX always wiped out any previous drawing, so the only chance to add own

drawing was to do it after the combo box did its own painting. This was fine for e.g. “error()” or “mandatory()” painting, but no for general painting.

Now we updated the COMBOBOX in the CaptainCasa default style, so that it behaves correct and so that you can use any painting. Unfortunately this function cannot be made available with other look and feels, e.g. the Windows-look and feel.

Improvement - Layout Editor's Reload Speed

The reloading of the application within the Layout Editor dramatically improved its performance. Well, there was a bug when setting the time stamp of the copied file, that had the consequence, that always all files were copied from the project's web content into the Tomcat runtime...

Bug - Unicode Display in Fonts

The font of the default CaptainCasa look and feel did not render a couple of unicode characters - e.g. zapf-dingbat-characters or some Chinese characters.

Improvement - Layout Editor, Editing Resources

You now can sort the list of resources, and you can search for resources by right-mouse-button click on the resource-id column header.

And: you now can add additional resource files by adding them into the project definition:

```
<project ...>
  <additionalresource name="addliterals"
                      package="test"
                      expressionprefix="aaa.bbb"/>
</project>
```

The additional resource files will be shown in the resource selection. You can edit them just as the default resource files, too.

Improvement - PAINTAREAITEM with z-Index

It is now possible to define a z-Index in the BOUNDS-definition of PAINTAREAITEM. Normally the bounds are defined as “x;y;width;height” String. Now you can also define “x;y;width;height;zIndex”.

2009, May 10th

Improvement - IMAGE with BORDER

The image component now supports the BORDER attribute as well.

Update - *.bat files with -XX:MaxPermSize=256m

The batch files for starting the Tomcat server environment were updates, so that the memory available for storing the Java byte code was enlarged. This is esp. important during development: the web application you just develop is re-started quite a lot of times (“reload” in Layout Editor) - consequently new classes are loaded regularly.

Improvement - PAINTAREA-MAGNIFY Attribute

The PAINTAREA component is a panel, in which you can arrange PAINTAREAITEM components - representing an image, text, etc. The items are arranged by defining their x,y position.

Now, there is a MAGNIFYFACTOR on PAINTAREA level: if the user moves the mouse cursor over a contained PAINTAREAITEM component then the size of this component is magnified accordingly. The factor is interpreted as percentage figure, i.e. if you define "20" then the item is magnified by 20 percents. All other PAINTAREAITEM components which now may be covered due to this magnification are magnified with half of the factor.

An example was added to the workplace:



Improvement - Scroll-Load in valid-values Popup

When using the valid values popup (COMBOFIELD with IdTextSelection) then events within the popup are isolated. This means, that during a request processing on server side only the popup area is rendered for updates - all other areas are not scanned during the rendering phase.

Internally this is made possible by using the new attribute ROWINCLUDE-UPDATEISOLATION. If this is set to "true", then events from the included screen area do only trigger a rendering of this ROWINCLUDE-area on server side. All other neighbor areas are not processed during the request processing on server side.

Bug Fix - RENDERED=false without result in PAINTAREA

When using normal components (buttons, fields, ...) within the PAINTAREA then the RENDERED="false" definition did not show results, sometimes.

Improvement - BGPAIN provides oval Borders

By defining "ovalborder(left,top,width,height,color,thickness)" you now can draw oval borders within a BGPAIN attribute. Example: "ovalborder(0,0,100%,100%,#FF0000,1)".

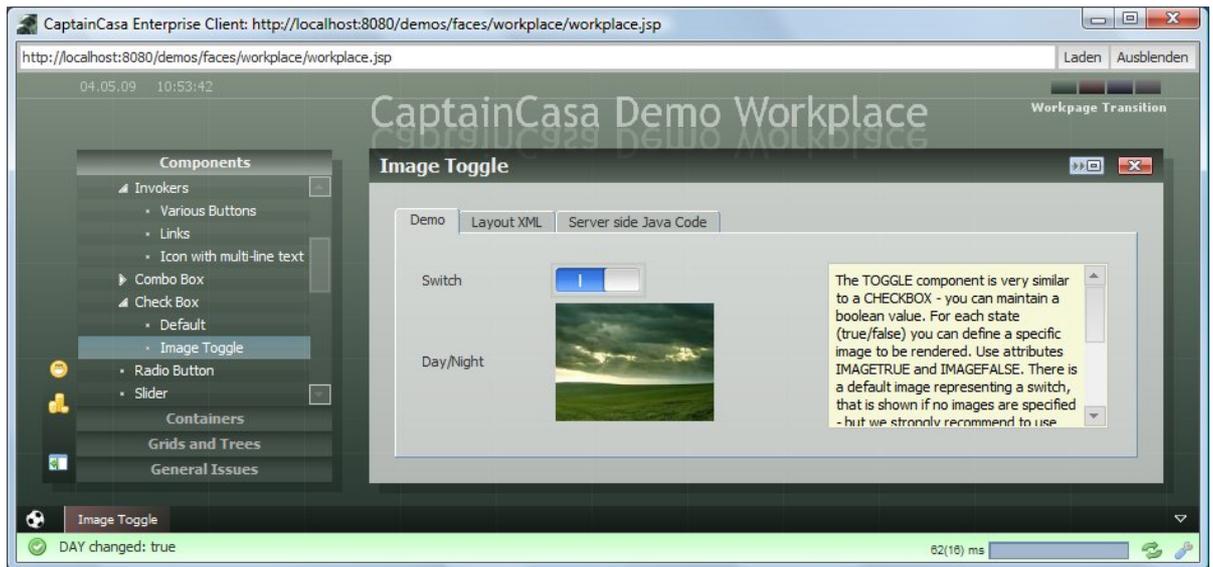
Improvement - CALENDARFIELD now with “select all”

The whole text of the CALENDARFIELD component's content is now selected when the user tabs into. This is in sync with all other field-components, now.

2009, May 04th

Improvement - New Component TOGGLE

The TOGGLE component is very similar to the CHECKBOX component - it represents a true/false(/null) value:



Per true/false(/null) you can define a corresponding image on your own. The user may switch by clicking with the mouse or pressing the space or return key.

Improvement - ARRAYGRID now supports sorting

The ARRAYGRID now supports sorting as well. The sort reference that is assigned in internally is “.{values[<n>]}”, with “<n>” being the array index of the corresponding column.

Bug Fix - Click on disabled COMBOFIELD, CALENDARFIELD

...before the selection icon of the components appeared when clicking onto the component even though the component is set to disabled.

Bug Fix - Complex Expressions in GRIDCOL-SORTREFERENCE

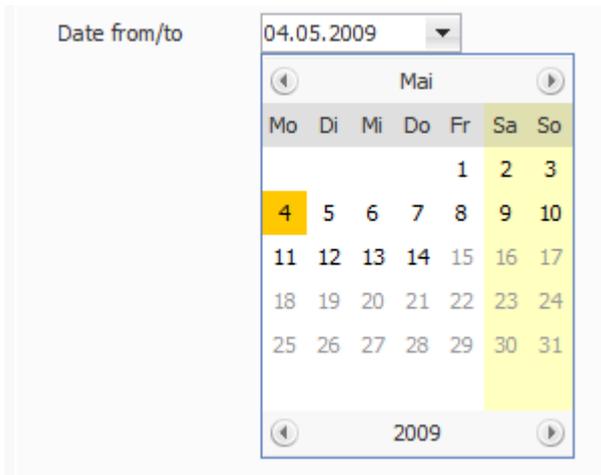
When assigning “complex” expressions, e.g. holding a map-key (e.g.: [“xyz”]) were assigned to the GRIDCOL-SORTREFERENCE then a runtime error came up, when the user pressed the column header.

Bug Fix - Input of “\” in Expressions

There was a problem in the Layout Editor when assigning expression containing a “\”-character statically.

Improvement - CALENDARFIELD with FROMDATE and TODATE

You now can optionally assign a from an to date to the CALENDARFIELD component. As consequence only values within the from-to-time range will be accepted. The calendar that shows up when the user presses the icon within the CALENDARFIELD component, react correspondingly as well:



Improvement - Number of round trips for Applet Start

Uaaaah - when tracing the number of network round trips that was executed when starting the Enterprise Client, we were surprised a bit... The applet tries to gather for resources (e.g. in the look and feel area...) through the network, just to check if they are available or not. Now we copied corresponding resources into the eclnt.jar file, so that no round trip is required. Esp. when working with a WAN between client and server this significantly speeds up the launch time of the applet.

Bug Fix - Manipulating Column Sequence with strange Result

When using FIXGRIDListBinding and when specifying the grid to support change index management, then the column sequence was not updated correctly.

Improvement - New http Header Parameters for Screen Size

There are two new http-header parameters: "eclnt-width" and "eclnt-height", passing the current pixel size of the main screen of the client. (If using popup windows, then the popup windows themselves are transferring their width/heigh/position to the server...).

Well, actually the size is sent as pixel value only if the user operates the screen with a scaling of 100%. Otherwise the pixel sizes are adjusted correspondingly.

Improvement - API to read CaptainCasa Version

Use the method "VersionXml.getVersion()" in order to read the current CaptainCasa version.

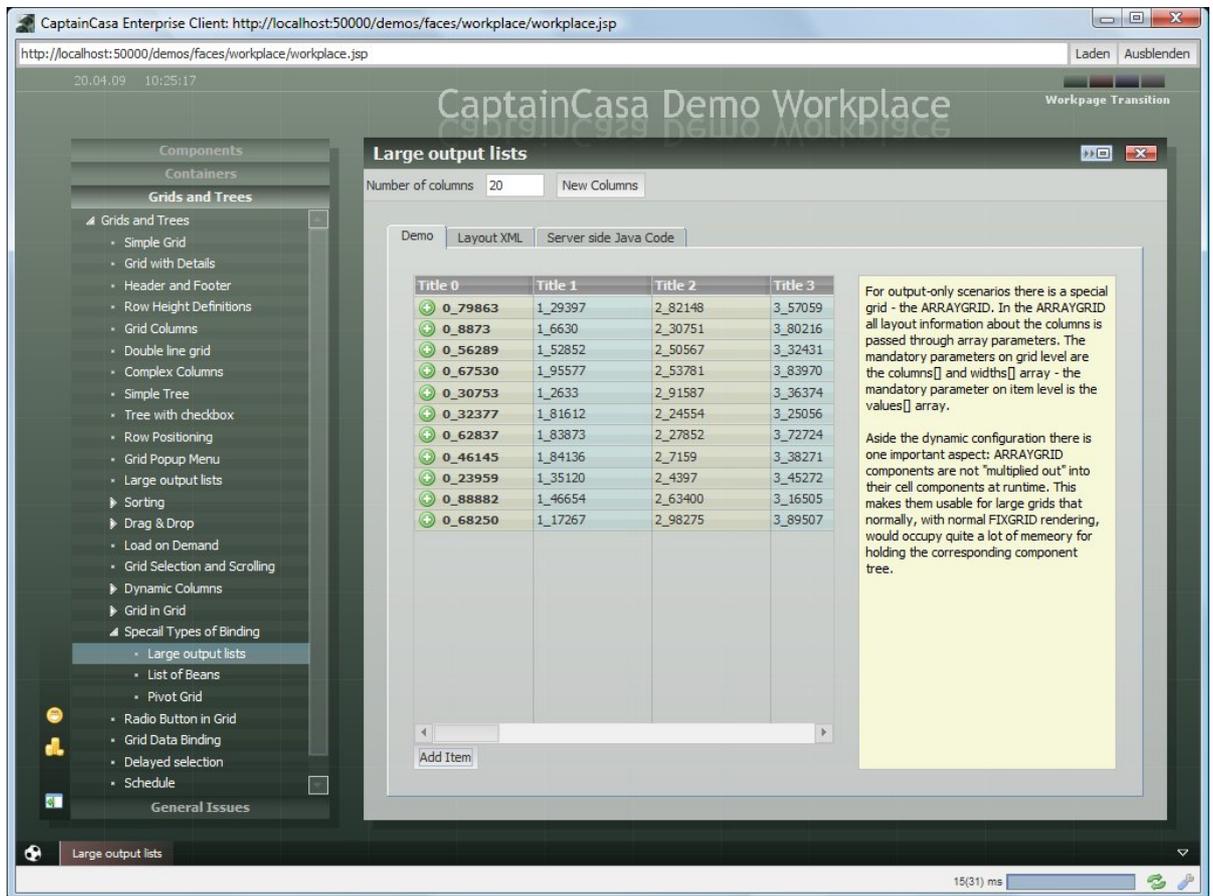
Bug Fix - Not required Reading of "null-sounds"

The SOUND component (internally used within the ROWSTATUSBAR, too) did request "null-sounds" from the server...

2009, Apr 20st

Improvement - ARRAYGRID

An ARRAYGRID example was added to the demo workplace:



In addition you now can also pass image and font information into the grid cells.

Bug Fix - HT* Components (plain HTML Rendering): ' and "

The transfer of "\"" and "\"" as part of label texts did not correctly work.

Bug Fix - HTBUTTON Component in IE 6.0

The HTBUTTON component did not work in IE 6 because of an IE 6 error in the area of the HTML-BUTTON tag. We did bypass the error - uuuh, now the simple HTBUTTON tag creates some mini-Javascript... - but there's no way around.

Improvement - Usage of Java Desktop in Client

The component APPLETCONTEXTSHOWDOCUMENT was updated so that now also HTML pages (URLs) can be opened through the Java Desktop interface of the client. Well, the name APPLETCONTEXTSHOWDOCUMENT in this case has nothing to do with the applet context anymore... ..so we created a second control, having exactly the same functions but a better name: JSHOWURL.

With the component you can open a URL in a real browser that starts parallel to your Java frontend: either started via Java Desktop, via Applet Context and via JavaScript (in the last case we assume that you run the page as applet).

We recommend the usage of Java-Desktop - simply because it is 100% stable. We found certain stability issues when using the applet context interface together with Internet Explorer: IE was crashing after switching to other screens.

Bug Fix - Manual Sizing of last Grid Column

Well, sizing the last column of a grid was not really possible - now it is...

Improvement - Centering of Text in OK and YES/NO Popup

When having improved the popups to also display long(er) texts, at the same point of time the centering of the contained text was not supported anymore... Not it is, again.

Improvement - Bean Browser Integration Interface

This is something very inside:in order to integrate your server side framework into the bean browser (right part of the layout editor), you may implement the static method "introspectDynamically". By doing so, you may pass back a list of properties that are available within your logical context, but that are not available as set/get method implementations.

This interface gets passed a list of references, so far holding the first level of generic type definitions of a certain property. Now these type definitions are drilled down, i.e. if you e.g. have a grid item of class FIXGRIDItem<A<B<C>>> then class instances of A,B,C are passed as references.

Improvement - INVOKEEVENT executed on right Mouse Button as well

For all elements supporting the attribute INVOKEEVENT (e.g. PAINTAREAITEM, SCHEDULEITEM) now the corresponding action listener is called on right mouse button clicks as well. This makes it much more easier to deal with right mouse button popup menu management in parallel. First the invoke of the selection is called, then the command of the menu item that the user selected.

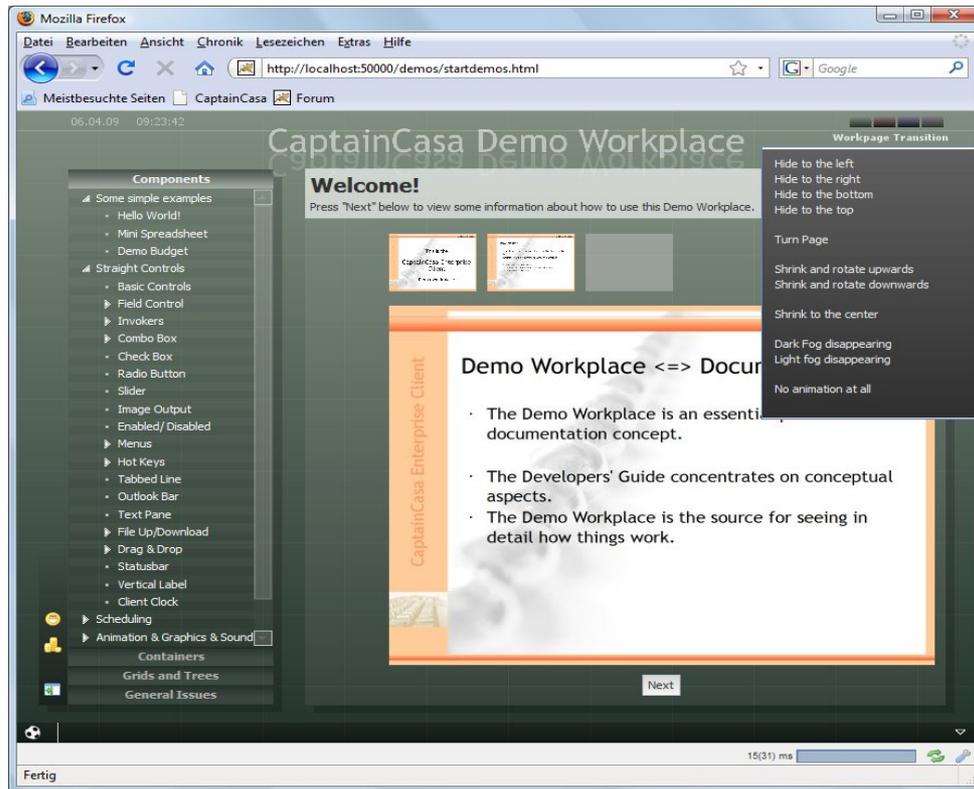
Bug Fix - GRIDCOL-SORTREFERENCE and "complex" Expressions

There were problems when defining "non-straight-expression" values with GRIDCOL-SORTREFERENCE, e.g. "item["a"],text".

2009, Apr 06th

Improvement - Animation now used in Workplace as well

The animation capabilities via CAPTUEANIMATOR are now embedded within the workplace as well: in ROWWORKPAGECONTAINER-ANIMATIONTYPE you can define which animation type should be used when the user switches between different work pages. The demo workplace was extended as well - so that you can select the type of animation on the top right:



Improvement - Updated swt.jar

We are now using the Eclipse 3.4 version of swt.jar - up to now we used the Eclipse 3.3 version. We did not find any compatibility issues - and hope this is the same on your side as well. Remember: the swt.jar is the link to native components, that is used in BROWSER and ACTIVEX components.

We found that the start-up problem that sometimes occurred when using swt.jar inside the applet mode do not longer exist - but this is based on first testing only - it would be great to get feedback from your side as well.

Improvement - JBROWSER Component

The “big” BROWSER component is using the ActiveX bridge to resolve a URL that you pass using a native browser component (IE or Firefox). For “small purposes” you now may use the Java based browser component as well - that you can reach via component JBROWSER.

We definitely recommend to use JBROWSER for static, simple HTML only!

Improvement - CAPTUREANIMATOR-ANIMATIONTYPE

Some new animation types were added:

```
<attribute name="animationtype" text="Animation type">
  <attributevalue value="hidetotop" text="Hide to top"/>
  <attributevalue value="hidetobottom" text="Hide to bottom"/>
  <attributevalue value="hidetoleft" text="Hide to left"/>
  <attributevalue value="hidetoright" text="Hide to right"/>
  <attributevalue value="shrinktocenter" text="Shrink to center"/>
  <attributevalue value="shrinkrotateleft" text="Shrink and rotate
    upwards"/>
  <attributevalue value="shrinkrotateright" text="Shrink and rotate
    downwards"/>
  <attributevalue value="turnleft" text="Turn page to left"/>
```

```

<attributevalue value="foglight" text="Light fog that
disappears"/>
<attributevalue value="fogdark" text="Dark fog that disappears"/>
<attributevalue value="noanimation" text="...finally: no
animation at all"/>
</attribute>

```

Improvement - Client-Id passed as http header parameter

When starting the client using “.ccapplet” or “.ccwebstart” then a client id is generated on server side. This client id is passed to the client as cookie and used from now on, to identify the client. So this is a “persistent” id - and you now can store information that depends on the client.

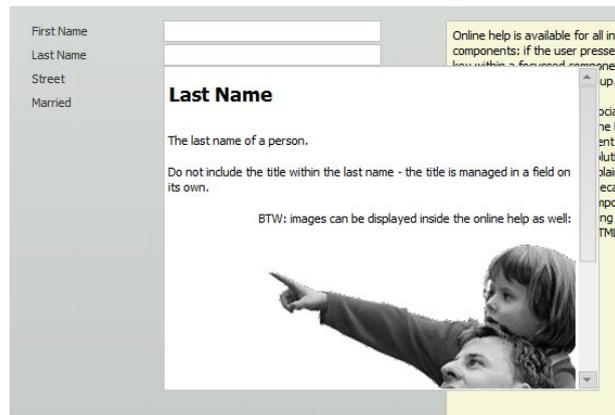
In the demo workplace there is the example page “/demos/setclientid.html” that shows how to explicitly configure this client id.

The http parameter passing the client id is: “eclnt-id”.

Improvement - Online Help

The online help directly benefits from the JBROWSER component: the default online help is now using this component - and as consequence is able to understand much more HTML than up to now... (e.g. there were many situations in which no HTML was rendered at all, if e.g. META-tags were used in the HEADER of the HTML document).

In addition the online help now pops up in a modeless, undecorated dialog - and is much more “lightweight” as consequence:



Improvement - Select (copy, paste) text from disabled FIELDS

It is now possible to select text from FIELD components, that are disabled. Same for COMBOFIELD, FORMATTEDFIELD, CALENDARFIELD.

Improvement - Configuration of .ccapplet and .ccwebstart Templates

“.ccapplet” and “.ccwebstart” request call a server side servlet (“AppletStarter”). This servlet either builds an HTML text (with an APPLET tag included) or a JNLP file to trigger the client side webstart.

The servlet basically reads an HTML or JNLP template, does certain replacements and passes back the result to the browser. Up to now you could pass non-default templates by URL parameter - now you can define the default templates in /eclntjsfserver/config/system.xml configuration file as well. Please check the template in the same directory for more information.

Improvement - Output only ARRAYGRID

For output only purposes there is a new component ARRAYGRID. It is put on top of FIXGRID, so a lot of things are exactly the same, but: the ARRAYGRID is completely configured by arrays that are passed into the corresponding ARRAYGRIDListBinding and ARRAGRIDItem objects.

Please check the demo within the Grid area (“Large output grids”).

In contrast to the normal grid the array grid does not multiply out all the grid cells on sever side - meaning a much reduced amount of memory required on server side..

2009, Mar 30st

Bug Fix - Delta Management on Server Side

The delta management on server side sometimes did send attributes of tags though they did not change on server side. This in general does not cause any problems, other than a bit too much data being transferred over the line. And: in the ActiveX component it caused as calling of a command a second time - because the command is executed on change of the command attribute.

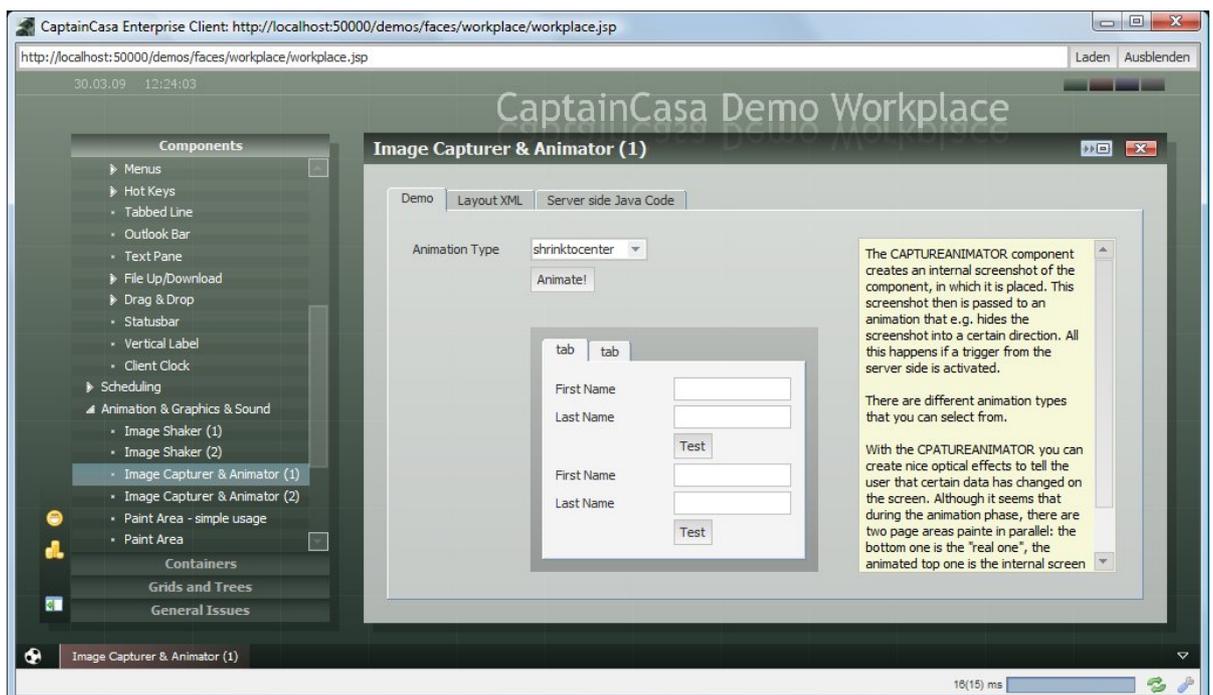
Improvement - Editable Combobox

When using the combo box as editable combo box (editable=”true”) then so far there was no pre-selection of items, once the user opens the popup for the combo box. Now the item is pre-selected that corresponds to what the user just entered.

Improvement - Animation of Panes

The component CAPTUREANIMATOR already was introduced some time ago. It now provides three additional animation tpyes: “shrinktocenter”, “shrinkrotateleft” and “shrinkrotateright”.

Please check the corresponding demo in the demo workplace:



...it's worth it to have a look!

Bug Fix - Value Selection Popup in Modal Popups

When using value selection popups (COMBOFIELD) in modal popup, then the popups sometimes closed too early (click in content), or sometimes did not close when clicking outside the popup.

Bug Fix/Improvement - Tooltip in PAINTAREAITEM, SCHEDULEITEM

PAINTAREAITEM now supports a tooltip as well. SCHEDULEITEM now shows the tooltip.

Bug Fix - Flickering FOLDABLEVERTICALPANE

Well, when setting the OPENED-attribute via value binding, and when using FLUSH, then the FOLDABLEVERTICALPANE component opened and closed with every roundtrip - causing some strange flickering on the screen.

Bug Fix - “Maximum number of tokens reached”

Value bindings were restricted to 15 parts “only”, so far. I.e. “#{part1.part2.part3. ... part15}”. What we never believed now happened: the first user broke this limit! So, we moved the limit up to 50 parts, hoping this is close(r) to infinite.

Improvement - Font of Combobox

The font now can be set via the FONT attribute of COMBOBOX.

2009, Mar 23rd

Bug Fix - Sometimes (very seldom...): Sequence of Rows not correct

In quite rare situations it could happen that the sequence of rows within a container that you defined within your page definition was not correctly reflected in the client rendering.

Bug Fix - Position of “Component Shadow” while dragging

When dragging a component with the mouse then the shadow that is painted behind the mouse cursor was sometimes shifted by some pixels - now it is correctly positioned.

Improvement - Opening HTML Pages when being started as Applet

When starting the CaptainCasa Enterprise Client as applet then you can go back to the browser and open pages (e.g. to display online help). The corresponding component to do so is APPLETCONTEXTSHOWDOCUMENT.

We found that when using Internet Explorer it happens quite often that the browser completely crashes after having accessed the applet context. We found corresponding messages in other forums as well - and as consequent now provide a second way of opening pages. By switch APPLETCONTEXTSHOWDOCUMENT-USEJAVASCRIPT the opening of pages is not done through the applet context but through a JavaScript communication.

The receiving JavaScript function is automatically added when using the “.ccapplet” way of opening pages. Otherwise: re-generate the .html page containing the applet-tag by

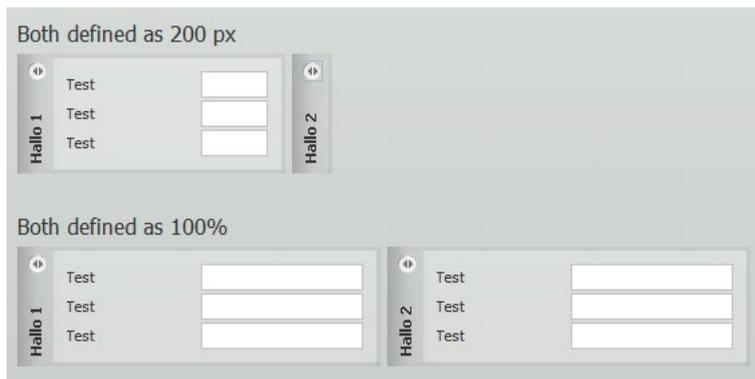
using the corresponding tool within the Layout Editor - the function will be generated automatically.

Improvement - JavaScript Interface

When starting your client as applet then there are improved possibilities to talk to any JavaScript that may exist around your applet-tag. You both can call client processing from JavaScript and you can call JavaScript from your client. Please check the documentation (Developer's Guide) for more information, chapter: Integration Scenarios.

Feature - FOLDABLEVERTICALPANE

The same as the normal FOLDABLEPANE, but now in vertical direction...



Feature - Dynamic Image Generation

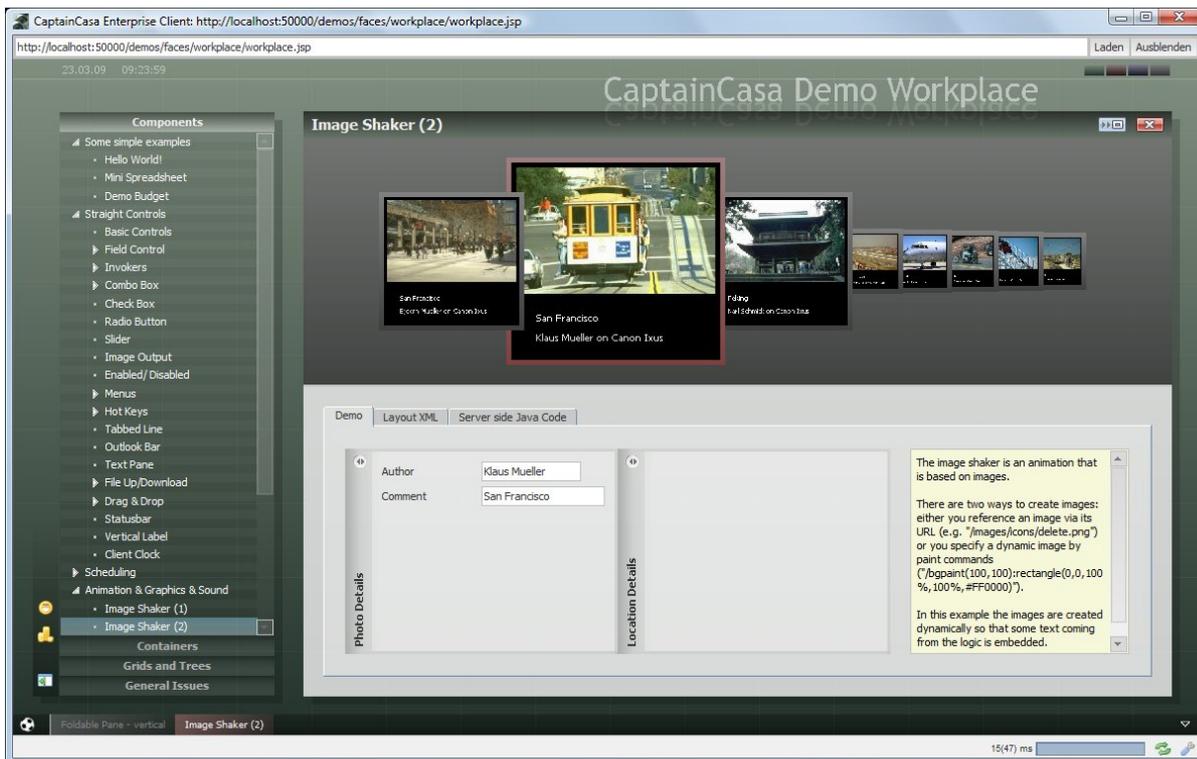
This is something nice: you now can use all the BGPAIN commands that you normally use within the BGPAIN attribute for dynamically drawing images.

The way it works is: everywhere where you typically reference an image via an address (“/images/delete.png”) you now can dynamically create an image by following the syntax:

```
/bgpaint(width,height):...bgpaint-command(s) ...  
e.g.  
/bgpaint(100,100):rectangle(0,0,100%,100%,#FFFFFF)
```

The assembly of the image is done on client side.

There is a nice example within the demo workplace using this feature in the context of an IMAGESHAKER component:



All the images with black background, some real image inside and some whit text on top are dynamically rendered using the “/bgpaint(...)”-command.

Improvement - New http-header Parameter

The type of the client is now passed by http-header parameter “eclnt-client”. The values are “applet”, “webstart” and “application”.

Improvement - Sort Icons for Grid Columns

The sort icon now can be explicitly defined using client parameters “imagesortup” and “imagesortdown”. The parameters are available via CLIENTCONFIG component as well.

Improvement - Text in Workplace when User opens too many Workpages

The message that is popped up, when the user opens too many workpages within the workplace can now be explicitly set using IWorkpageContainer interface:

```
/**
 * This is the message that is popped up once a user exceeds the
limit
 * of "maxNumberOfWorkpages". By default an own message is shown,
 * but you can define your own one using this method.
 */
public void setMaxNumberOfWorkpagesExceededMessage(String message);
```

2009, Mar 07th

Bug Fix - Expressions containing “[...]”

There were problems with expressions that contained “[...]”:

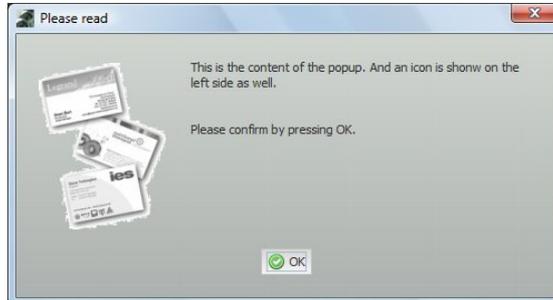
- the setting and sometimes also the getting of values did not properly work.

Normal array/list index expressions “[x]” did work without problems, so the problem only

occurred when using this notation for ma-based value access.

Improvement - Icon with OK and YesNo-Popup

You now can pass an icon into the popup API - after retrieving an instance (e.g. via `OKPopup.createInstance()`) you may now call “setIcon”. The icon is painted on the left of the left of the text that is passed as popup message:



The demos in the demo workplace showing how to deal with popups were updated correspondingly.

Improvement - Selection Color in Grids...

You now can define per grid an individual selection color: use grid attributes “selectioncolor1” and “selectioncolor2” within the FIXGRID attributes. Up to now you only were able to set these colors via client parameters.

Improvement - Workplace Message when reaching max. Number of parallel Workpages

...this message can now be explicitly set by sugin `IWorkpageContainer`-interface.

Improvement - Quick(er) access to introspected Properties

Objects implementing interface `IAcceleratedPropertyAccess` directly may respond to a get-resolution when processing an expression.

```
public interface IAcceleratedPropertyAccess
{
    public final static Object NOT_AVAILABLE = new Object();
    public Object getProperty(String property);
}
```

Before actually calling a get-method via introspection the corresponding object is checked if it implements the interface. If so, then the property might already be transferred back directly using this interface.

Improvement - CascadingValueBindingListener

This value binding listener allows you to receive a notification if properties were changed within the update phase of a request, when values are passed from the user interface processing into the managed beans on server side.

You may use this listener for various purposes - one of them being to get notified on grid item level, if a grid item has changed. Please view the documentation contained in the updated developer's guide (chapter “Working with Managed Beans”) + the JavaDoc.

2009, Mar 02nd

New Component - LABELVERTICAL

The LABELVERTICAL is a normal text label - rendering its text into vertical direction:



(Some of you may already guess that this is the most significant step to then also provide a vertical FOLDABLEPANE component...)

Improvement - Explicit setting of ROWHEIGHT in Grids

It is now possible to explicitly set the size of each header/footer row within the grid:

| First Name | Last Name |
|------------------------------|-----------------------------|
| First Name - second headline | Last Name - second headline |
| FN 0 | LN 0 |
| FN 1 | LN 1 |
| FN 2 | LN 2 |
| FN 3 | LN 3 |
| FN 4 | LN 4 |
| First Name - footer line | Last Name - footer line |

There are corresponding attributes: FIXGRID-HEADLINEROWHEIGHT, GRIDHEADER-ROWHEIGHT, GRIDFOOTER-ROWHEIGHT. If not defined: then the height is the same as the one of the content rows.

There is a nice combination out of the individual row height definition and the vertical labels - have a look into the updated budget demo:

| | Staff | Office | IT | Other | Leisure | Pleasure | Company Cars | Donuts |
|--------------|-------|--------|-----|-------|---------|----------|--------------|--------|
| ▶ Board | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ▾ Production | 0 | 0 | 200 | 200 | 500 | 0 | 0 | 0 |
| ▫ CC 1.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ▫ CC 1.1 | 0 | 0 | 0 | 0 | 200 | 0 | 0 | 0 |
| ▫ CC 1.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ▫ CC 1.3 | 0 | 0 | 0 | 0 | 300 | 0 | 0 | 0 |
| ▫ CC 1.4 | 0 | 0 | 200 | 200 | 0 | 0 | 0 | 0 |
| ▫ CC 1.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ▫ CC 1.6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ▫ CC 1.7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ▾ Sales | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ▫ CC 2.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ▫ CC 2.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ▫ CC 2.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Bug Fix - Focus Management in Grid

There were certain issues with the focus management within grids, that are solved now:

- The grid now optically indicates that it is the focus owner, by rendering a light border when holding the focus.
- If the title cells are focus-able (e.g. when sorting is defined) then they also clearly indicate that they hold the focus.
- The focus sometimes did move into invisible components, so that the user tabbed through the page without knowing where the current focus actually was.
- It was not possible to tab away from an inactive field, holding the focus.

Improvement - CALENDARFIELD-Popup

The seconds in the CALENDARFIELD-popup are only shown now if the user chose a FORMATMASK that allows to show/edit seconds.

Improvement - Consistent Fonts in CaptainCasa Look&Feel

The text font that was used as default within TEXTPANE-components and with tool tips was not consistent to the rest of the screen.

Bug Fix - Global Hotkeys and Popups

There was a certain bug within the hot key management, that were defined with menu items of a menu bar. Again, the hotkeys of the “base page” were active within the popup page. The error did only occur with hotkeys defined in menu-items of a menu-bar, it did not e.g. occur with global hotkeys defined on button level.

Bug Fix - Thin (HTML) Renderer and “German Umlaute”

“German Umlaute” (ö,ä,ü,...) were not correctly treated. Of course the same with other language’s characters “above character code 128”. Important: the error only occurred when using the thin/HTML renderer - no problems within the normal Java-based renderer!

2009, Feb 23rd

This is the official update - after last week’s interim update. Last week’s interim update was tested within a couple of scenarios - with positive results. So we officially publish this week as normal update.

Stacked Value Binding

We already talked about this last week, but some additional words here...: the stacked value binding is applied during the rendering phase. Especially when working with grids then a big part of the rendering performance is spent for resolving values that are dynamically defined via expressions. A typical case is, that cells are processed one after the other, and that for one cell there are different expressions being used for different attributes of a component.

A typical sequence of expression access may be:

```
#{d.XXXUI.grid.rows[0].orderId.value}  
#{d.XXXUI.grid.rows[0].orderId.enabled}  
#{d.XXXUI.grid.rows[0].orderId.bgpaint}  
#{d.XXXUI.grid.rows[0].customer.value}  
#{d.XXXUI.grid.rows[0].customer.enabled}  
#{d.XXXUI.grid.rows[0].customer.bgpaint}  
etc.
```

With the stacked value binding the reading of one value always is done so that the “interim values” are managed within a stack. I.e. the stack may keep the following data after reading the first expression:

| | |
|---------|----------|
| d | <object> |
| XXXUI | <object> |
| grid | <object> |
| rows[0] | <object> |
| orderId | <object> |

This information is re-used when reading the next expression. I.e. the stack is checked up to which level it contains data to be re-used. This check for re-usage is done in a very fast way, that is faster than processing an expression from the scratch.

One remark: the restriction of last week that complex expressions need to be defined with a “ “ blank space character inside is not valid anymore. You can define any expression once again.

Bug Fix - ROWTITLEBAR background

The BACKGROUND attribute of the ROWTITLEBAR was not transferred properly.

Bug Fix - FILECHOOSER's value not transferred to Server

Whatever you did input into the file chooser - the value was not passed to the server side processing.

Bug Fix - TEXTAREA-FONT

The font could not be set for the TEXTAREA.

Improvement - IdTextSelection and IdAttributesSelection Options

When using COMBOFIELD with IdTextSelection or IdAttributesSelection, then you now can pass more information about how to open the valid value popup into the Java API of IdTextSelection and IdAttributesSelection:

- setPopupWidth/Height
- setSuppressHeadline

2009, Feb 16th - interim update

The update of this week is available via:

- http://www.CaptainCasa.com/download/setup_2_5_20090216_interim.exe
- http://www.CaptainCasa.com/download/EnterpriseClient_2_5_20090216_interim.zip

Last week we did one quite significant internal change - we switched to a so called “stacked valued binding” - see below for details. Though we did a lot of testing on our side, we are not brave enough to announce this update as official update yet... So we recommend to stay with 20090209 (update of last week) if not requiring some of the new features.

Improvement - Stacked Value Binding - Server side Performance

For accessing values during the server side request processing we now use an updated value binding, that tries to read objects in a way, so that expressions are not always read from the beginning, but that expressions try to benefit from previous expressions that were processed.

Important: the stacked value binding is applied to all “simple expressions” - the normal ones... If using expressions with complex logic inside “#{a.b.c == true}” then the normal expression management is used. Currently the indicator for normal expressions is, that they do not contain a blank character (“ ”), so please currently check that all of your complex expression are written with a “ ” inside: “#{a.b.c. == true}” instead of “#{a.b.c.==true}”.

MENUITEN - HOTKEYONLY

Menu items can be hidden if defined with HOTKEYONLY=”true”. Consequence: you may add hot keys which do not show up in the popup menu.

Improvement - Management of global Hotkeys

Hotkeys that are applied on button/icon/...-level now only are enabled within the windows they are defined. Before, these hotkeys were available cross-windows which lead to confusing situations.

Improvement - Statusbar long Text

You now can pass long texts to the status bar in addition to the normal message. The long texts are shown when the user clicks onto the status bar message. This is also enabled when passing more than one message, so that the user can open the chronology of

messages.

Improvement - FOCUSABLE available on much more Components

Up to now FOCUSABLE was only available for BUTTON and ICON, now it is available for all components that are focus-managed (from FIELD up to FOLDABLEPANE).

Improvement - Grid Selection when using Cursor Keys in first/last Row

Now no selection is sent from client side when the user already stays in the first row and clicks “up”. Before a selection was sent to the server processing, starting with a “deselect” first and then triggering a “select”.

Improvement - Spinner selects whole Text when being focussed

...so that it behaves like FIELD, etc. ...

Bug - “Console Logging Warning”

The warning, that console logging is switched on, now is not shown anymore, when console logging is switched off.

improvement - FLUSH Events always executed before INVOKE Events

If there are multiple events that are executed within one server roundtrip than the sequence of events was not clear sometimes. Now the FLUSH events are always executed prior to the INVOKE events.

2009, Feb 09th

Improvement - FORMATTEFIELD, BigDecimal

By defining “decXX” with “XX” being any integer you now can define the number of decimals without any restriction. Before you were limited to “dec1” - “dec8”.

Bug - Installation of Embedded Server in Linux Environment

Some of you already installed the editor, which now in the Windows installation is configured as stand alone application, in a stand alone environment under Linux. There was a certain error coming up - a resource was looked up with a backslash in its path... Now you can transfer the Windows environment straight to Linux - if you want so!

Bug - Button already reacted on “mouse down”

...now it reacts on “mouse up”...

Bug - Painting of horizontal Grid Borders

When having very wide grids with a lot of columns, then the horizontal grid borders were not painted anymore.

Improvement - Editor Light Style

Two popups were still in “dark mode” - and are now as light as the surrounding

environment...

Improvement - OUTLOOKBARITEM with explicit HEIGHT Sizing

You now can assign an individual height to each OUTLOOKBARITEM instance. Before the default height of the underlying button was used.

Improvement - Attribute CLIENTVALUEREERENCE

This is something special - and nice. Documentation in the Developer's Guide will follow, as well as examples in the demo workplace. Some information already here. All input components (field, combo box, check box, ...) now support an attribute CLIENTVALUEREERENCE.

The usage is: if the user changes a value in an input component, then this value change is propagated within the client. Part of the propagation is either the updated value itself and the value of the attribute CLIENTVALUEREERENCE. If there is now another component that refers to the same CLIENTVALUEREERENCE-value then the value update is directly synchronized into this component.

In short words: two components binding to the same CLIENTVALUEREERENCE update themselves without the necessity of a server roundtrip.

A nice usage scenario is: you maintain data both directly within a grid and within a detail section below.

Improvement - Grid Keyboard Navigation

Up to now the cursor up/down navigation within a grid was triggered by the key-up event. Now the navigation is directly executed directly at key-down point of time.

Improvement - Code Generator: Grid/Tree Creation

You now can directly create the Java Code for grids or trees in the code generator within one step. Before you first needed to create an inner class and then you needed to create a property pointing to the inner class.

Configuration - Tomcat

The Tomcat that came with the delivery (Windows) was configured to always persist sessions - due to a change in conf/context.xml this was changed so that sessions are not persisted by default now. This was already the configuration of all previous CaptainCasa versions - due to the upgrade to Tomcat 6.18 this change seems to have got lost...

Configuration Editor Timeout

The editor-application is now configured to never time-out. This makes perfect sense because the editor now is started in embedded mode anyway.

2009, Feb 04th

This is the first 2.5 release! - 2.5 is a "smart successor" of 2.1. Most features of 2.5 already have been added to release 2.1 - sometimes explicitly marked as beta feature. Users of 2.1 should directly upgrade to release 2.5 - and read the chapter "2.1 > 2.5 - One important issue!"

A document "Release 2.5" will be published in parallel to this change log. This document

concentrates on deltas compared to the last 2.1 version.

Up to Date Environment Components

The Windows installation (“.exe”-package) was updated to now contain the following environment components:

- Tomcat 6.0.18
- Java Runtime Environment 1.6 Update 12

For the non-Windows guys: in the “.zip”-package you anyway only receive the “.war” resources and are master of your environment components on your own - so no change.

Development Toolset is running in a separate, embedded Tomcat

This is something very nice...: we introduced the feature to directly run Tomcat inside the User Interface program 2 months ago as beta feature. Now we use the feature in order to start the toolset of CapatainCasa in this mode. I.e. when now starting the tool then the CaptainCasa client is started, within the client the embedded Tomcat started and the tool as a result runs in its own environment.

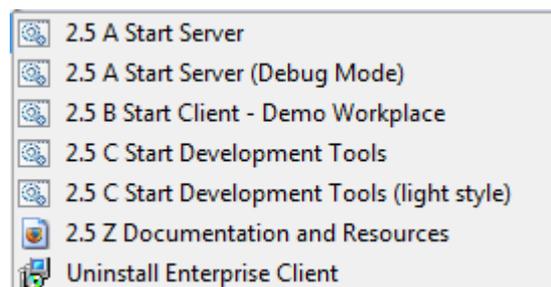
The nice advantage: now the application Tomcat (the one you start just in the normal way) and the tool's Tomcat (the embedded one) run completely separately. The application Tomcat does not manage in any way to destroy the Tomcat of the tool environment. The application Tomcat can be restarted without at same time restarting the toolset.

This is also the reason for carefully reading “2.1 > 2.5 - One important issue”...

New location of .bat Files in Windows Installation

The batch files for starting the CaptainCasa environment have moved from the <installdir>/server directory directly into the <installdir> directory.

The menu items that are added into the Windows Start Menu were updated correspondingly. In order not to get confused we explicitly named all menu items so that they start with “2.5”:



Crimson replaced by Xerces

Due to problems that showed up when using CaptainCasa on server side together with the Crimson parser we decided to now use Xerces. You can wipe out “crimson.jar” from all your CaptainCasa projects. If you definitely want to stay with Crimson for any reason, then maintain /ecIntjfsserver/config/system.xml in order to define your SAX-parser-factory.

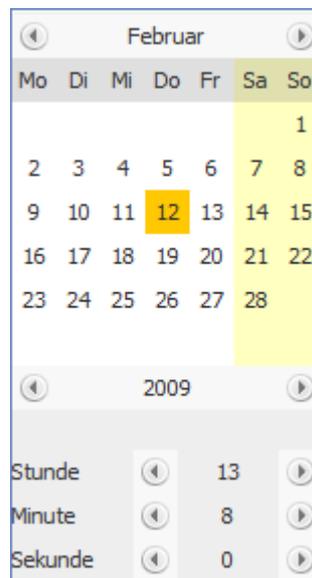
Documentation not Part of Delivery anymore

We decided to not always deliver the documentation with the installation packages - due to the embedding of the JRE and the Tomcat they are big enough anyway. There is a central page on our web site which can now be reached through the Start Menu.

...and now the “little fixes” - compared to the last 2.1 release:

CALENDARFIELD with Seconds

Seconds are now visible and changeable in the calendar popup:



Grid with AVOIDROUNDTRIPS “true”

The avoiding of roundtrips was improved. Normally a grid performs a roundtrip to the server every time the user selects a new row. Background: there may be information that depends from the currently selected row (e.g. some detail information) that needs to be updated on row change.

With setting attribute AVOIDROUNDTRIPS to “true” you can switch this auto-roundtrip off. But: if you now have data-input components (e.g. fields) within the grid then you typically would like to get informed on server side if data changed when the user navigates into an other row.

Result: now when setting AVOIDROUNDTRIPS to “true” then a roundtrip will be made if the user updated data of the currently selected row and if he/she navigates up/down to the next one.

Removing decimal Values from FORMATTEDFIELD

...this was just not possible in some situations when defining the DATATYPE to be “bigdecimal”: the cursor always jumped back into the field... Now it is possible: when removing all data input from a FORMATTEDFIELD instance, then null will be set into the corresponding BigDecimal field on server side.

Style in ROWWORKPLACEFUNCTIONTREE: FOREGROUND

When setting the FOREGROUND by style definition then this definition did not come through... now it comes.

2.1 > 2.5 - One important Issue!

This information is only valid if upgrading your 2.1 environment in Windows to 2.5. As mentioned in the log for 2009, Feb 04th, the tool now runs in an own, embedded Tomcat.

In 2.1 the editor-application was running in:

```
<installdir>
  /server
    /tomcat
      /webapps
        /editor
          /config
            /projects
              /editor
                /WEB-INF
                /META-INF
                ...
```

In the editor application is running in:

```
<installdir>
  /server
    /tools
      /embeddeserver
        /webapps
          /editor
            /config
              /projects
                /editor
                  /WEB-INF
                  /META-INF
                  ...
```

So, what you need to do:

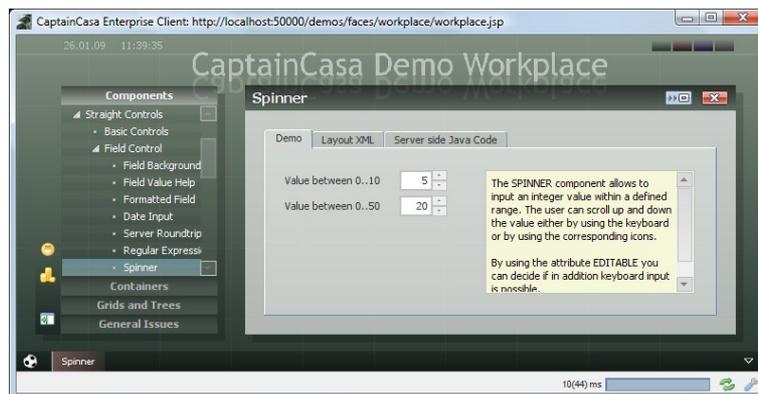
- Copy the project definitions from the 2.1 location to the 2.5 location.
- Remove the /editor-web application from the 2.1 location not to get confused in future times.

Release 2.1

2009, Jan 26th

Feature - SPINNER Component

A simple spinner component is available allowing the input of an integer value within a defined range.



The spinner value can be changed in the following ways:

- using the spinner buttons
- using the cursor up/down keys
- directly entering the value (in this case SPINNER-EDITABLE need to be defined as "true")

The SPINNER component provides all standard features (BGPAIN, ...) of normal CaptainCasa field components.

Improvement - BUTTON/ICON-FOCUSABLE

By using the attribute FOCUSABLE for buttons and icons you can decide if they should be part of the focus sequence or not. Sometimes you want to place buttons (e.g. next to an input field) that should not be part of the user's tab-sequence.

Feature - Interface IMethodBindingListener

```
public class MyMethodBindingListener implements IMethodBindingListener
{
    public boolean reactOnActionListenerInvokeBefore(MethodBinding mb,
                                                    ActionEvent event)
    {
        m_log += "IMethodBindingListener, Method call, after: " +
                ValueBindingUtil.getOriginalExpressionString(mb) + "\n";
        return false;
    }

    public void reactOnActionListenerInvokeAfter(MethodBinding mb,
                                                ActionEvent event)
    {
        m_log += "IMethodBindingListener, Method call, before: " +
                ValueBindingUtil.getOriginalExpressionString(mb) + "\n";
    }
}
...
...
...

```

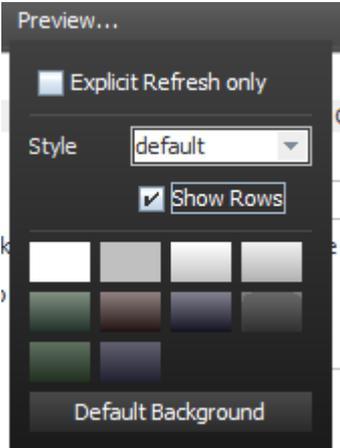
```
// registration of method binding listener
HttpSessionAccess.setMethodBindingListener(new MyMethodBindingListener());
...
...
...
```

This methods of the interface are called when an action listener is called within the request processing. The registration of an interface instance is done using the class "HttpSessionAccess".

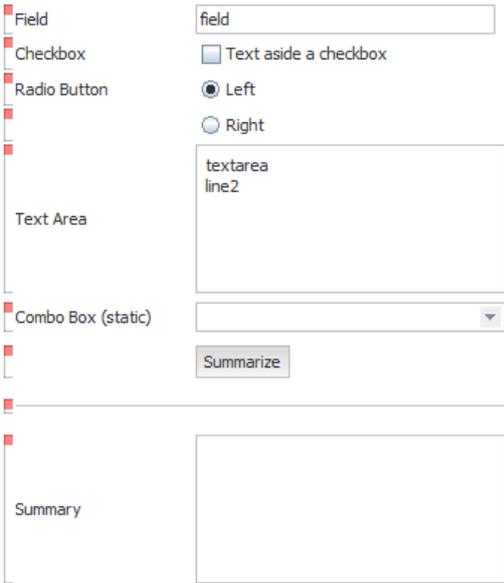
Improvement - Layout Editor

In order to better support the direct editing within the layout editor's preview area you now can make components visible that normally are no visible, e.g. ROW components.

The feature is switched on by selecting the corresponding check box within the "Preview..." dialog:



Afterwards each row is visible with a small icon on the left of the row. All right mouse button operations are directly available through this icon.



Improvement - TREENODE Keyboard Usage

Finally we made it...: "full" keyboard support of the tree node, especially including the

left/down navigation on a tree node:

- “cursor left” - closes the tree node or moves up to the next top layer, if already closed
- “cursor right” - opens the tree node

Improvement - FIXGRID-ROWBGPAIN

You now can specify a central BGPAIN-definition that is applied for all rows of a grid by using attribute FIXGRID-ROWBGPAIN.

Improvement - Layout Editor's Image Buffer

The client part of CaptainCasa Enterprise Client buffers images that is loads from the server. This sometimes caused confusion when working with the Layout Editor: images that you updated within your project were not updated within the Layout Editor's preview area, because they were already buffered. Now all buffers are cleared when reloading the application.

Bug - ACTIVEX did not return in case of unregistered Controls

When using the ACTIVEX component in order to integrate ActiveX Controls and when the ActiveX control that you integrate is not registered (ActiveX generation) then the Enterprise Client did not return because it was waiting for a response of the ActiveX control. The bug is fixed.

Former Releases

Up to 26th of January the list of changed was kept within an HTML file. The following is the content of this file:

Release 2.1, Jan 19

- Improvement - The text in GRIDCOL (column header text of a grid column) now fully binds to an expression, and as consequence changes once the expression changes.
- Bug - When using the COMBOFIELD, with the option that the focus stays in the field when requesting value help, then the popup that showed up sometimes moved a bit, when requesting the help a second time.
- Improvement - Components at client side are drawn with a certain shading (#00000008) when they are disabled (attribute ENABLED set to "false"). You now can set up this disabled-coloring by specifying client parameter "disabledcolor". The client parameter can either be set when calling the page (i.e. within the applet/ jnlp definition) or it can be set using the CLIENTCONFIG component.
- Improvement - The FILEDOWNLOAD* components now allow to define a list of extensions, that is used in the download dialog when specifying the name and location of the file.
- Improvement - The usage of ROWPOPUPMENU within the FIXGRID processing was simplified: there's now a method "onRowPopupMenu" which is called on FIXGRIDItem level. - Please check the example in the demo workplace (Section "Grid") for details.
- Improvement - You now can invalidate the server side http session directly within the request processing. Before the invalidation caused a certain NullPointerException in the rendering phase of the request. The invalidation of an http session typically is used to clean up the current session on server side and let a user start in a fresh environment.
- Bug - In the TEXTAREA component the background painting (BGPAINT) in combination with value "mandatory()" did not properly work: the mandatory drawing stayed - and did not disappear when the user entered some text.
- Bug - The value "\t" (horizontal tab) was not transferred from the server side to the client side properly. This e.g. resulted in missing tabs when copying/pasting spreadsheet information via the clipboard.
- Improvement - A quite special, but sometimes important improvement: when passing URL parameters into the page processing then URL parameters ending with "_always" are sent from the client to the server with every request processing.

Release 2.1, Jan 12

- Bug - There was a bug when removing a date / time from a formatted field or from a calendar field. The corresponding value was not set back to null.
- Beta - The "Embedded Usage Mode" was updated and now is "close to delivery". The

documentation was updated (see news area of <http://www.CaptainCasa.com>). There are some new APIs in this area, please check the documentation.

- Beta - The "Tool Extension" concept that is part of the 2.2 release now was added. It allows to add own screens to the CaptainCasa toolset. Please check the documentation in the news area of <http://www.CaptainCasa.com>. Of course we are interested in feedback.
- Improvement - The PASSWORD component now selects all the text when the user puts the focus into the component.
- Improvement - Pressing "Enter" inside a grid in order to "execute" a certain row does not at the same point of time trigger a hotkey processing for enter anymore.
- Improvement - BUTTON/ICON/LINK components now do not call the server side twice, when being double-clicked. Before a double click onto e.g. a button caused two roundtrips to the server. On the one hand this is "logical", on the other hand it's dangerous because it could cause double processing on server side. Now the components only trigger a server side processing once - unless the new attribute DOUBLECLICKENABLED is not set to "true".
- Improvement - The screen now stays blocked for further input when an ActiveX component is building up.
- Improvement - FIXGRIDListBinding now supports a method to select items by their index.

Release 2.1, Jan 07

- Update - The default look and feel that is chosen in the client now is the CaptainCasa look and feel. Before it was the system's look and feel. The CaptainCasa look and feel was significantly improved so we decided to switch. Especially with Windows as client operating system there were quite often situations in which the look and feel did not look very nice when Windows is used in classic mode. - Of course you can still select the system look and feel: just use client parameter "lookandfeel", as value you can either pass the name of the style class or you can pass the value "system": in this case the system's default style is selected.
- Improvement - We try to encourage the use of styles a bit...: in the layout editor the attribute STYLEVARIANT is now explicitly listed in the bottom area of the attributes' section. You can select a style variant for a certain component by opening a corresponding valid values popup. For those ones who do not use styles currently: please read the corresponding chapter in the Developers' Guide - it is short and we'll sure your will gain benefit very soon!
- Update - The reaction of hotkeys that are defined as popup menu items now was updated so that it is 100% in synch with reaktion on normal popup menu items. Before it was slightly different. The demo workplace was extended and now shows more details on how to use hotkeys. The documentation (Developers' Guide) was extended as well to better show, what's happening behind popup menu items with hotkey definitions.
- Improvement - The BGPAINT attribute now allows to write texts with a certain rotation and a certain mirroring. And it allows to draw lines. Please check the background painting demo within the demo workplace (section "Containers").
- Bug - The TEXTAREA (mutli line text edit) sometimes showed some strange pixels when doing data input.
- Feature - A new, very nice animation component was added: CAPTUERANIMATOR. The

component takes a screenshot of a certain area (e.g. the PANE it is positioned in) and moves the screen shot into a certain direction. By using the component you get nice sliding results when changing the content of a given area - with nearly no programming effort. Please view the demo workplace, section "Components, Animation".

- Feature - In the area of client integration there is a new component CLIENTHTTPSENDER. The component executes a certain URL from the client that is passed by the server side processing. The response of the URL can be transferred back to the server processing. The component is the counter part of the CLIENTHTTPRECEIVER component: the receiver component listens on client side to be called via http, the sender component itself sends an http request.
- Improvement - In the layout editor, when maintaining the value of an attribute you now can press "ctrl-l" (or select a popup menu item): a popup will show up, in which you can enter the text within a multi line editor. Especially when working with attributes like BGPAIN this simplifies entering lengthy attribute values.

Release 2.1, Dec 22 2008

- Feature - There is an HTML page /eclntjsfserver/javainstall/java.html that analyses which Java versions are available within a client system. From the page you can also reach the official Java download pages for downloading the Java plug-in.
- Improvement - The HELPID is now "cascading in upwards direction". This means: if the user presses F1 in a field, then the client walks up the element hierarchy until it finds a HELPID. Before the client stayed on the level on which F1 was pressed. Result: you now can define general help e.g. on ROWBODYPANE level that always shows up - if no detailed help is available on individual components.
- Bug - When using scale factors not equal to 100% and opening popup dialogs then the popup dialogs did not keep their position when working within the popup.
- Improvement - There is now a second "light" style for the tooling environment. The style's name is "cceditorlight". For these ones who do not like the dark style ;-)... You switch on this style variant by opening "/editor/faces/editor/tools.jsp?ccstyle=cceditorlight".
- Improvement - Shapes within a PAINTAREA now have a certain rollover effect: they change their size a bit.
- Improvement - The usage of the applet tag was adapted to the Java improvements that came with 1.6 Update 10: (1) you now can define the memory an applet may occupy and (2) you may define that an applet is opened in an own virtual machine on client side. Both improvements require Java 1.6 update 10 (or later) to be installed on client side. We strongly recommend to use there features when working in an applet environment. The default ".ccapplet" way of starting an applet includes both definitions and sets the memoyr to max. 256 MBytes.
- Improvement - The text output that you can do with BGPAIN attribute was strongly improved. You now can rotate the text, and you can mirror it. Please check the demo "Container ... Background Painting" within the demo workplace.

Release 2.1, Dec 15 2008

- Bug - There was a NullPointerException in the client coming up soemtimes when isolating two or more pages within the workplace.
- Bug - The FOLDABLEPANE was shown in close state when being initialized with OPENED='true'.
- Feature - Before passing a property value into a property (either into the set/get method by introspection or by put/get in case of Map-implementations) the object that is called is checked if it supports the interface IPropertyValueConverter. If so, then a corresponding method is called allowing the object to update the value that is passed. Background: with Map-implementations the type definition is not always 100% clear - resulting in String object being passed into the put-method of the Map-implementation. Now you can directly update the value object on your own before it is passed into the put-method. - Please check for details within the JavaDoc for interface IPropertyValueConverter.
- Feature - The TABBEDLINE component now reacts much nicer of the tab content exceeds the size of the TABBEDLINE: it now always shows the currently highlighted tab by shifting the whole line accordingly. In addition it always shows a small part of the next tab, so that tabbing through a large number of tabs is much more comfortable now. Please check within the demo workplace: open a lot of pages so that the tabbed line on the bottom gets filled.
- Feature - All input components (fields, radio buttons, check boxes, ...) now support an attribute USERHINT. The text of the user hint is shown in a small yellow box that pops up below the component when the user tabs inside. It is removed automatically when the user tabs out of the component.
- Feature - The IdTextSelection now supports a filter method. Please check the demo in the workplace (Components - Field - Value Help, Name Selection).
- Bug - When opening popups, then shutting down Tomcat so that the session is serialized, then re-opening Tomcat and continuing with the application, then there was a certain error coming up. - BTW: session serialization is switcher off by default within your Tomcat's configuration. Check the /conf/context.xml file for activating it.
- Feature - The Layout Editor now provides the function to remove the deployed web content before reloading the web application. Please pay attention: if certain files cannot be removed due to file locks then these file are output into the log file of the editor web application.

Release 2.1, Dec 09 2008

- Only a mini-update: in the web.xml_template the servlet mapping for ".ccwebstart" was missing. And: the new COMBOFIELD feature KEEPFOCUS sometimes did immediately close the popped up value selection. This only occurred when setting the new attribute KEEPFOCUS to "true", the default is "false".

Release 2.1, Dec 08 2008

- Bug - Uuuuh, there was a stupid bug in the last update (20081201): after creating a project some files were not copied. Now they are...
- Feature - A new, much simplified way of defining dynamic content was added. By using the component ROWDYNAMICCONTENT you can pass the dynamic content as simple XML layout description. You do not have to work with the JSF component tree. Please check the updated documentation, chapter "Dynamic Page Layout".
- Feature - You now can close the server side session immediately when the user closes his/her screen. You do so by placing the component SESSIONCLOSER into the outmost page of your page definitions. As soon as the SESSIONCLOSER component gets destroyed on client side a signal will be sent to the server that invalidates the session. - Pay attention: using the SESSIONCLOSER component assumes that you really have one stable outmost page in which all other pages at runtime are embedded. Never place the SESSIONCLOSER component into an inner page, which gets replaced with another page. The consequence will be a session invalidation on server side! Please update your web.xml for already existing projects. A certain servlet and servlet mapping ("SessionInvalidationServlet") is required on server side. As usual: check the web.xml_template which is located next to your web.xml definition.
- Improvement - The ACTIVEX component now strictly waits for building up / destroying the corresponding native control when starting / stopping.
- Improvement - The file download components were improved significantly. (1) By using attribute ASYNCHRONOUS the whole file download is executed in parallel to the normal screen processing. (2) The file download now directly writes the received file into the file system. Before, it was for a short term loaded as complete byte-array within the client's memory - having the consequence of out of memory errors with big files. (3) You now can pass full client file names like "c:/temp/abcde.txt". Before, you only could pass the file name without directory information. (4) The user needs to confirm before overwriting an existing file. (5) There is a smart way how to produce dynamic content to be downloaded. Please check the demo workplace (Controls, File Up/Download) for viewing details on this.
IMPORTANT: there is a new servlet that was added to the web.xml_template, which is next to your web.xml. Please update the servelt and servlet-mapping within already existing projects.
- Improvement - In the workplace function tree component (ROWWORKPLACEFUNCTIONTREE) there is a new attribute SINGLECLICKEXECUTE. If set to true then the execution of functions is directly started with a single click. BTW: this property is (and already was) also available on FIXGRID level.
- Improvement - The flush event can be triggered by some components (FIELD, COMBOFIELD) by two ways: the user steps out of the field or the user does not do any input while staying inside the field (FLUSHTIMER usage). The corresponding event for the server side action listener processing now provides the method "getFlushWasTriggeredByTimer" to check which way the user took.
- Improvement - The COMBOFIELD now has a very nice new attribute: KEEPFOCUS. This attribute can be used when opening modeless dialogs as reaction on the valid values request that is sent out by the COMBOFIELD. If setting KEEPFOCUS to true, then the focus is kept inside the COMBOFIELD component, allowing the user to continue typing

into the field. View the demos on the demo workplace: Controls... Field... Value Help

- Bug/Improvement - In the Layout Editor the hot keys ctrl-s (save) and ctrl-p (preview) were not executed when the focus was inside the preview area or inside the Code Generator area.
- Improvement - In the touch screen controls the default behaviour was updated when a touch screen popup is started: the whole text is selected and the user immediately starts with overwriting the existing content. Before you always had to press "C" for clear before starting with touch input. - If you now do NOT want to overwrite the existing content then you need to touch one time into the content field.
- Improvement - Setting the style can now be done by URL parameter. Use URL parameter "ccstyle=...". The parameter can be applied to the ".ccapplet" and ".ccwebstart" URL or you may use it everywhere you define a ".jsp" (e.g. within your jnlp/applet definition).

Release 2.1, Dec 01 2008

- Feature - The IMAGE component now provides an attribute ALIGN and an attribute VALIGN. In case of scaling the image and keeping its ratio you can align the image accordingly.
- Bug - The client parameter "footerline" was not recognized when running the client as applet.
- Beta Feature - It is now possible to run the client and server application in so called "embedded usage mode". This does mean nothing else than that the server part runs directly within the Swing client. "Fat client" / "stand alone client mode", so to speak. We added a beta documentation that is available in the news zone of <http://www.CaptainCasa.com>. - The feature is a very interesting one, though maybe only usable for special purposes only: in principal CaptainCasa Enterprise Client now scales from "Fat Client" applications up to "Thin, rich Client" based on the configuration, without any change in programming paradigms. The feature is planned to be officially available with CaptainCasa Release 2.2, scheduled for January 2009. It is kept strictly separated from the rest of CaptainCasa, so we decided to start delivery with 2.1 already.

Release 2.1, Nov 25 2008

- Feature - In the bgpaint command there are two new commands : "scaledimage" and "scaledheximage": in both commands the image that is drawn keeps its width/height ratio when being sized. In the demo workplace (Container - Background Painting) the demo was extended correspondingly.
- Bug - The language for the file upload popup in the thin component area was not correctly set.
- Bug - When defining hot keys via popup menu, and when defining the same hotkey on

different hierarchy levels of the component tree, then both hotkeys were executed - resulting in the server being called twice. Now only this hotkey is executed which is closest to the component that is currently focused. A double-calling is avoided.

- Bug - The focus setting did not properly work for the first page.
- Bug - Defining a POPUPMENU on FIXGRID level did not work.
- Feature - The size of the scrollbar now is scaled as well. When the user scales the client to e.g. 150% then the scrollbars will be rendered correspondingly.
- Feature - A new client parameter "footerline" is available. When setting the value to "false" then the icons on the bottom right of a page are not drawn anymore.
- Feature - A possibility was added to take part in the closing of a session. Please check the Developers Guide, section "working with managed beans" and "workpage lifecycle management".
- Feature - The method "WorkpageDispatchedBean.getWorkpage()" (typically called within you managed bean implementations, when using the workplace framework) now also returns a "dummy workpage" when not being started with workplace context. This is typically the case when starting the page in the preview of the Layout Editor.
- Feature/Info - A demo was added into the demo workplace (Grid - Special Binding) in which binding with FIXGRIDBeanListBinding on server side is demonstrated. FIXGRIDBeanListBinding is a subclass of FIXGRIDListBinding, and directly renders a list of beans, and also updates the list when performing add/remove operations.

Release 2.1, Nov 18 2008

- Bug - In the Layout Editor there were (luckily...) seldom situations in which a node was lost after performing a drag and drop operation.
- Feature - The Layout Editor now allows to show a background behind the page that is just previewed. Check the toolbar for the "Preview..." menu. You may in addition set a project parameter "previewbgpaint" which you can add to your CaptainCasa project definition. This is the default background.
- Feature - The Layout Editor supports a (first version) of undoing operations.
- Bug/Feature - In the Layout Editor it was not possible to drop ROW components below the ROWPAGEBODY component. The dropped component was always positioned aside instead of below. Now you decide where to drop the component by the x-position of where you drop: if you drop "on the left" then the dropped component is positioned aside, if you drop "on the right" then it is positioned below.
- Feature - FORMATTEDFIELD and CALENDARFIELD now support a quick input mode for date and time. Date is input as 6 or 8 character long string - the interpretation depends on the Locale settings of the client. In Germany the input of the date would follow the format DDMMYYYY. For time input you may use the abbreviation HH, HHMM or HHMMSS.
- Feature - There is a new "thin component": HTFILEUPLOAD. It allows to upload one file. Please check the example: /workplaceht/demohtfileupload.jsp in the Demo Workplace.
- Feature - The component HTFIELD now supports a MAXLENGTH attribute.
- Feature - When using ".ccapplet" or ".ccwebstart" then there are new URL parameters

by which you can pass information which library to load for the Enterprise Client frontend. The usage is: ".../XYZPage.ccaplet?cclibs=swt_pdf_jasperreports": you may concatenate the library packages "swt", "pdf" and "jasperreports" in any combination, separated by an underscore character.

- Feature - In the workplace management you can isolate work pages into modeless dialogs. Now these dialogs support a maximize/minimize icon. The icon unfortunately can not be placed into the title bar of the popup, it is added to the toolbar below the titlebar.
- Feature - There is a new container component: SHADOWEDPANE. Just a normal pane with some shading around...
- Feature - PDFRENDERER now supports client sideprint output that is triggered by server side processing. And there is an additional PDFPRINTER component which does client side printing as well, but as invisible component. Both components provide functions to define the client side printer and to first show a print popup dialog to the user.
- Bug - The ACTIVEX component sometimes did pass back property values in a wrong sequence when being massively used.
- Bug - When refreshing an Enterprise Client frontend using the refresh icon then parameters which were appended to the start URL were not passed with the refreshed screen.
- Feature - The sound file that is activated within the statusbar when showing an error or alert message now is modify-able.

Release 2.1, Nov 10 2008

- Documentation - The documentation was extended: it now provides an appendix showing how to dynamically extend the Bean Browser object hierarchy, that is used for dragging and dropping expressions into the component attributes.
- Bug - When using the DefaultDispatcher as parent class of your dispatcher then there was an error during the lookup of objects within the dispatcher. Result: objects were not properly instantiated. The error did NOT apply to the WorkpageDispatcher that derives from DefaultDispatcher!
- Bug/Info - Last week we talked about the mini Eclipse plugin that you can now use for synchronizing the Eclipse project automatically when e.g. working within the Layout Editor. Well, when using the setup-delivery then the plugin was not contained in the resources folder. It was only contained in the zip-delivery.
- Info - it is now taken care within the ACTIVEX component processing that the reading of properties (PROPERTYINTEREST) is always done within the thread that processes the ACTIVEX component. In addition the starting process of the ACTIVEX component now explicitly waits for the peer to be reliably available before using the component.
- Feature - The PASSWORD component now provides the FONT attribute as well.
- Info - The demo workplace contains an example showing how to use drag and drop with input fields and combo boxes.
- Info - The information about the version of CaptainCasa is now output to the log as severe message, so that it is contained in the logs reliably. Before it was only an INFO

message and filtered out in most cases.

- Feature - You now can implement Java-macros by implementing interface IMacro. Please check the documentation about macro processing within the Developers' Guide.

Release 2.1, Nov 3, 2008

- Bug - the PDFRenderer.jar file which is sent to the client when using the PDFRENDERER component was not correctly signed. Result: you saw a corresponding message when starting the client via JNLP/applet
- Feature - A new component CLIENTDATAGRAMRECEIVER is able to receive IP-datagrams (UDP messages) and send a corresponding event to the server side processing. The component is useful in the area of sub-system integration, e.g. barcode scanner integration.
- Feature - The TREENODE component now toggles automatically when the user presses "+", "-" or "space".
- Feature - The component FOLDABLEPOPUPINCLUDE now allows to start the modeless popup in the context of the workpage. Please have a look into the corresponding demo, the second example shows how to use. Important: a) the flag that controls if a popup is opened needs to be managed by a property of your application (i.e. it requires an expression-binding) and b) the attribute WORKPAGEBINDING needs to point to the workpage (typically located in your dispatcher).
- Feature - The editor now reacts on ctrl-c/v for copying and pasting items. There is a first implementation of "undo" as well: you receive a popup of previous versions and can select one to go back to.
- Feature - Within the project definition you now can maintain an attribute "classpathextension". This is a semicolon separated list of classpath directories / .jar files that should be included in the design time classloading of the bean browser. The bean browser is the tool "right of the Layout Editor", that you use for picking properties and action listener methods.
- Feature - An Eclipse plugin is now part of the delivery. It is included within the resources folder of the installation. Purpose: all CaptainCasa tools write a certain change file into the project directory that indicates that something has changed. The plugin scans the directories regularly and automatically triggers a project refresh when finding a change file. The plugin is very useful when working with the Code Generator tool, or when using both the Layout Editor and the Eclipse Editors for editing jsp-files.
- Feature - The ACTIVEX component now only reads the ActiveX properties specified by the PROPERTYINTEREST attribute when there is no activity going on inside the ActiveX component.

Release 2.1, October 27, 2008

- Bug - When removing columns in the grid (e.g. using the grid configuration) and then

dragging and dropping columns, then an error occurred in the grid processing: the column sequence was sometimes not properly updated.

- Bug - The PDFRENDERER component did not show a PDF document which was loaded during initialization time of the component. You had to press one of the page navigation buttons to make it visible. And: when printing document then the printing always was done in portrait-mode.
- Bug - When switching the log output to console using logging.xml configuration file then the log output into the console sometimes did not correctly work.
- Feature - The LABEL component now supports the attributes FORMAT, FORMATMASK and TIMEZONE as well. The usage is the same as with the FORMATTEDFIELD component.
- Feature - The workplace management was enhanced by the possibility to send events from one workpage to others. Typically a workpage is an isolated function that should not be in contact with other functions. Via the eventing it can now tell other functions about certain events so that these can react. Use the workplace eventing for situations in which one workpage influences another one.

Release 2.1, October 20, 2008

- Feature - There is a new component available: PDFRENDERER. The component allows to directly render a PDF byte stream into a Enterprise Client page. It bases on the 100% java PDF renderer (<https://pdf-renderer.dev.java.net/>) and does not required the installation of Acrobat Reader within the frontend environment. Please check the example in "Components > PDF/ Reporting."
- Info - Performance improvements were made within the server side grid processing. Before, each grid value's expression was evaluated from the beginning. Now the row objects are internally kept and re-used when accessing the grid column information.
- Feature - The logging which is used on server side is now able to delegate logging calls to a class supporting interface ILogOutput. In order to activate this log delegation you need to update /eclntjfs/server/config/logging.xml - please have a look into the template in the same directory for details. There is a default class available that delegates calls to log4j.
- Info - An example was added ("General > Intergation") that shows how to embed a JavaScript based processing (Google Maps) into the Enterprise Client environment.
- Feature - The IMAGECAPTURE component now provides a ENABLED attribute. When set to fals then no image commands are available for the user.
- Bug - The coloring of the text areas within the creation of JNLP/Applet HTML (Layout Editor Tool) was "white foreground on white background"...

Release 2.1, October 13, 2008

- Update - Demo workplace was optically refreshed, we hope you like it!

- Update - Colouring in Layout Editor now is a bit lighter, the contrast between dark background and white text color was too much...
- Update - The FIXGRID now provides two new attribute ROWDRAGSEND and ROWDROPRECEIVE by which you can define the drag and drop behaviour of a whole row. Before you needed to declare drag & drop on each component of the row. See the demo within the grid section of the demo workplace.
- Feature - text in grid header search is now selected when user opens the search
- Feature - in the combo box (COMBOBOX, HTCOMBOBOX) you now can decide by configuration if an empty value is shown in addition to the values that are passed by your logic. Attribute name is WITHNULLITEM.
- Bug - Cursor position is not moved to the end of the field when the field auto-flushed.
- Bug - Mozilla scrollbar in outmost window for thin client now does now show up anymore.
- Bug - The warnings about a certain attribute "isinput" inside the tag library definition which are shown in the DOS box when starting CaptainCasa server now do not appear anymore. Certain information was taken out of the eclnt.tld and put into a xml file.

Release 2.1, October 06, 2008

- Feature - The new SOUND component is able to play .wav files on client side. Have a look into the demo workplace, components, Animation & Sound. The component was in addition added to the default STATUSBAR component so that error and alert message now come with a "beep".
- Feature - The new IMAGESHAKER component is a nice one. It lets you select out of a series of animated images. Have a look into the animation demos of the demo workplace.
- Feature - The coloring of the tool environment was massively updated. There is detail information about this in the news section of CaptainCasa as well. We hope (and strongly assume), you will like it!
- Feature - There is a new attribute SCROLLBARTYPE for the components SCROLLPANE, FIXGRID, TEXTAREA. It allows you to override the default scroll bar coloring coming from the client side look&feel, and use a "dark" or "light" coloring instead. Now the scrollbar does look much better integrated into colorful screens.
- Feature - You now can explicitly define the background color of a MENUBAR. As consequence you can integrate the MENUBAR component much better into a common header together with buttons, icons, etc.
- Feature - You now can explicitly extend the list of templates that is available when creating new layouts inside the Layout Editor environment. Have a look into the Developer's Guide, chapter "Project File, Template Management", page 13.
- Feature - There is a new client start parameter which can be used for webstart and for batch start: by passing "kiosk=true" there will be no decoration around the window that is coming up. Together with "startx=0 starty=0 startheight=max startwidth=max" you can now start the user interface in "kiosk mode" so that it will cover the whole screen.
- Feature/Bug - All sending of cookie information is now avoided by the client. Cookies

always caused problems with proper session management. For avoiding cookies we gave the recommendation to define a "META-INF/context.xml" file - this recommendation is now overcome by the general avoidance of cookies. Scenarios with having multiple browser instances on one and the same client now are running "from the scratch" without explicit setup.

- Bug - when using right to left mode then the focus still was moving from the left to the right.

Release 2.1, September 29, 2008

- Feature - The CALENDARFIELD now contains the attributes FORMAT and FORMATMASK (just as the FORMATTEDFIELD). Consequence: you can finetune the format in which the date / time is output. Use the FORMAT definitions "date" and "datetime" and the FORMATMASK definition "short","mid","long".
- Feature - The FIXGRID now supports rollover effects, when the user moves the cursor over rows. The rollover color can be defined by setting client parameters and/or by using the CLIENTCONFIG component.
- Feature - The CLIENTCONFIG component now allows to pass the selection colors and rollover colors of grids to the client as well. This means you can now from the server processing define the grid row coloring. Before, this was only possible by explicitly setting client parameters.
- Feature - The interface IWorkpage was updated so that you can change a workpage's title and id during runtime. A corresponding example was added to the demo workplace (General Issues > Workplace)
- Feature - The radio button now contains an attribute ISDEFAULT. Result: when set to true then a radion button will be selected if the underlying is undefined (null).
- Feature - The TEXTAREA now contains an attribute TABTONEXTCOMPONENT. If set to true then a "tab"-key will take the user to the next focussable component on the screen - and will not add a "tab" into the document.
- Beta Feature - The PAINTAREA was extended to now hold any components within its area. In addition you can arrange theses components inside the Layout Editor by true WYSIWYG editing. A video on this is availabl within the news section of <http://www.CaptainCasa.com>.

Release 2.1, September 21, 2008

- Feature - The delay that is used within the client for starting ActiveX contorls by using the ACTIVEX component is now set-able via attribute STARTDELAY. The default is 250ms.
- Feature - The FIXGRID now provides a ENABLED attribute. When set to false then there will be no selection or execution events from grid side.
- Feature - Tree nodes (TREENODE component) now automatically provide their text as

tooltip text as well. Of course you can override the text using the TOOLTIP attribute.

- Feature - The TREENODE now supports background painting using the BGPAING attribute. The attribute is also available in the workplace tree (ROWWORKPLACEFUNCTIONTREE component). In the demo workplace you now see a light shading for each node.
- Bug - The Layout Editor now is nicer usable within small resolution scenarios. Before certain icons were not reachable or you needed to close certain side areas in order to reach them.
- Demo - The demo "Complex Grid Column" was updated, we took some screenshot from an iPhone demo and transferred things...

Release 2.1, September 16, 2008

- Feature - Within a grid you now can consistently navigate using the ALT-key up/down/left/right keys.
- Feature - When closing a popup then the focus is moved back to the component that caused the popup.
- Feature - A directory META-INF with contained file context.xml_template is now part of the web content. When deploying your application as applet then you should check that you add the component META-INF/context.xml. Use the template file for copying. Only then each applet instance really is connected to a session on its own on server side.
- Bug - The text within the OK and YesNo popup now scrolls when being too long.
- Bug - The CALENDARFIELD (and FORMATTEDFIELD with date/time/datetime format) had a certain mis-behaviour when being used within a grid: cursor up/down is used in the component to set the date/time. On the other side cursor up/down also causes the navigation within the grid. Now cursor up/down clearly belongs to the component, grid navigation in this case is available with alt-cursor up/down.

Release 2.1, September 9, 2008

- Feature - There is a nicer way of opening pages within the browser. The html file / jnlp file that you can create manually (using the Layout Editor's tool "Create html/jnlp file") now can be generated dynamically. By specifying a URL "http://localhost:50000/demos/workplace.workplace.ccaplet" the page "workplace/workplace.jsp" is opened as applet. The same with ".ccwebstart", which opens the page as web start application. Pay attention: the "/" of the file directory needs to be replaced by "."! In case of appending request parameters "?value=param..." these parameters are automatically appended to the URL that is internally created for loading the applet/webstart application. Please check the Developer's Guide (chapter "Integration Scenarios") for further information. Existing applications need to transfer the servlet-section "AppletStarter" from the web.xml_template file into the own web.xml file!

- Feature - The modeless popup now supports a property "closeonclickoutside". This means the popup is close when the user clicks the mouse on any other dialog. This feature is used in the updated COMBOFIELD management. The selection list that shows up is no longer a modal popup but a modeless popup - which closes when the user clicks onto the screen that opened the popup.
- Feature - A new component in the thin renderer HTJSCALLED allows outside html pages to call a JavaScript function inside your page, that itself submits data to the server.
- Feature - The CLIENTHTTPRECEIVER component now transfers information about the sender of the http request to the server.
- Feature - There is a new component APPLCONTEXTSHOWDOCUMENT that allows to open up new browser windows from the Enterprise Client, running within an applet. Start the demo workplace as applet and have a look into General > Client Integration > Client Applet Context. When not running in applet context the component will be inactive.
- Bug - Non-keyboard characters (e.g. f) were sometimes not correctly transferred. Now the rule is very simple: everything that you define in the format "&#iii;" with iii being an integer value is transferred into corresponding characters. All other occurrences of "&" is interpreted as "&". View demo workplace: General > General Issues > Character Input

Release 2.1, September 3, 2008

- Feature - A new component was introduced within the thin HTML renderer: HTJSCALL. The component allows to call JavaScript functions. Documentation is available within the Developer's Guide.
- Feature - A new client parameter is available: imagebuffersize. The rich client buffers images that it loads from server within its memory. With the parameter you can reduce the number of images kept in memory.
- Feature - A simple TIMER component was added to the rich client. See the demo in the demo workplace (General Issues ==> General Issues ==> Timer).
- Feature - The PASSWORD component now also supports the input via touch pad. Use attributes TOUCHSUPPORT and TOUCHLAYOUT.
- Bug - it was not possible to open a YesNoPopup in the Yes/No processing of another YesNoPopup.
- Bug - tree nodes were not click-able when using them in right-to-left mode.

Release 2.1, September 1, 2008

- Feature - a new component was introduced: CLIENTHTTPRECEIVER. The component starts a mini-mini-http-server on client side. Requests to this server cause the component to pass the request's query string to the server side processing. Background:

you can connect client side devices (e.g. scanners) by making them send an http request to the client. The CLIENTHTTPRECEIVER is comparable with an invisible button that is pressed on http-request. An example is contained in the workplace (General ==> Client Intgeration, at the very bottom...) - and documentation was enhanced accordingly.

- Bug - there was a NullPointerException sometimes coming up when switching between pages within the Layout Editor. See corresponding thread within the forum.
- Bug - when creating a new directory within the project and then creating a new layout within the new directory then the layout editor crashed.
- Bug - there was a missing icon in the delivery. Consequence: the FOLDABLEPANE did not show the open/close icon.

Release 2.1, August 27, 2008

- Bug - Under certain conditions popup windows changed their position while using them...

Release 2.1, August 25, 2008

- Feature - The component FOLDABLEPOPUPINCLUDE now remembers the popup size and position when re-opening a popup. In addition the component now also works without binding the OPENEDASPOPUP attribute to an expression.
- Feature - For configuring grids there is a defined method available that you can call from your user interface (e.g. behind a button): FIXGRIDBinding.onEditColumnDetails. This method will open up a modal popup window, in which you can shift available columns from the left to the right and vice versa. Drag and drop between columns is supported as well.
- Feature - The ACTIVEX component now synchronizes all access to the ActiveX layer - there is no parallel double calling of the ActiveX component by different threads.
- Bug - The attribute COMPONENTBINDING was not supported with the components HTROW, HTPANE, HTSCROLLPANE.
- Bug - The SIZEABLEPANE component did not allow height definitions in which a minimum size was passed ("100%;80").
- Bug - The JRVIEWER component for viewing Jasper Reports component did not allow to save reports as PDF or as XLS files on client side. Now the missing libraries are part of the /eclnt/lib directory. When creating the html/jnlp page within the Layout Editor there are two new check boxes by which you can specify to use these libraries. Update your html/jnlp file correspondingly.

Release 2.1, August 18, 2008

- Feature - a new component was added: FOLABLEPOPUPINCLUDE. What a name! Basically its a foldable showing a certain included pase as content. By clicking on a certain icon the foldable can be isolated as modeless popup window.
- Tools - the bean browser now shows grid and tree item details as well!
- Feature - the PAINTAREALINEITEM now supports an attribute ZINDEX.
- Feature - when waking up in a web start or application start scenario, then the first screen shows up much faster. It shows a splash image and shows the URL that is currently loaded.
- Bug - in the code generator not only public properties were shown but also protected ones.

Release 2.1, August 11, 2008

- Feature - The HttpSessionAccess class now provides a method to check if a layout is opened within the preview mode of the Layout Editor: boolean checkIfInLayoutEditorPreview(). As result you can react within your implementation of the managed beans correspondingly - and e.g. build up some dummy data environment, so that a managed bean can be directly used in the Layout Editor.
- Feature - The FIXGRID now provides three new attributes: COLUMNRESIZINGENABLED controls if the user is able to resize column on his/her own. COLUMNDRAGDROPENABLE controls if the user is able to re-arrange columns on his/her own. And DRAWODDEVENROWS will automatically shade the background of components within odd rows.
- Feature - The workpage contianer (interface IWorkpageContainer) now lets you define a maximum number of work pages to be opened in parallel by the user. If reaching the limit then a corresponding error message will be opened.
- Bug - The coloring of tree node items within the Bean Browser tool (on the right of the Layout Editor) sometimes was not correct - colors indicated a class to be editable, but it actually wasn't.
- Bug - When clicking into a combobox that was positioned within a grid row then the line was not selected when clicking onto the arrow icon part of the combobbox. In addition the combobox did sometimes immediately close its popup when set to be editable.
- Bug - under certain circumstances the LINK component did show its rollover rendering though not being rolled over.

Release 2.1, August 04, 2008

- The popup menu texts within teh workpage selector were not internationalized yet.
- The YESNOPopup now reacts in a nicer way, when it gets called twice within a request processing: the runtime exception now passes back the stack trace info of the first call as well. In addition there are API extensions by which you can check if the popup is already opened.
- Interface IWorkpageContainer was extended: (a) method closeAllWorkpages() closes all work pages, (b) by using method getAllWorkpages() you get all currently opened work pages (together with their name, id, etc.), (c) by using method setEmptyPage() you can pass a JSP page, that is shown every time the workpage container does not hold any item.
- Some problems in the focus management and selection management of grids are solved: before internally the focus event was chosen to indeicate a grid row selection, now explitley the mouse or keyboard events are chosen.
- When using TEXTPANE in certain constellations then the sizing of the TEXTPANE was not correct, e.g. subsequent components were rendered on top of the TEXTPANE.
- The text shown in the ROWSTATUSBAR componente now allows the user to click onto it. As result a window pops up showing the full text of the message.
- When clicking onto a LINK with the right mouse button then already a method was called on server side. Now calling is only done for left mouse button clicks.
- There was an error in building up the internal URL within the client which showed up in reverse proxy scenarios.
- The text in the FORMATTEDFIELD was not selected anymore when the user stepped into the field.
- The font that is used in the client is now tranferred to the server using the http header attribute "eclnt-font". As result, when building up content including font information (e.g. an HTML page) then you can use this font.

Release 2.1, July 29, 2008

- When assigning a value into a map via expressions, and NO value being available in the map, then the strategy for selecting the right data type for the property value was updated: now data types correspond to the component, by which the value is managed, e.g. a CALENDARFIELD component will pass a Date-data-type. The documentation was updated and extended to cover this aspect: please check the chapter "Working with Managed Beans".
- Two new components were added to server the client side clipboard: CLIPBOARDGET and CLIPBOARDSET. The demo workplace includes an example that explains how to use them, please have a look into section "General".

- The installation and configuration guide now contains a chapter (at the very end) explaining which libraries need to be part of WEB-INF/lib and where they belong to.
- When using multiple screens and not starting the CaptainCasa client on the main screen, then popup windows were not correctly positioned. They somehow were placed in the middle between two screens.
- In the webappaddons directory, which is copied into the web application when creating a new project there were two versions of commons-collections.jar. One is enough...

Release 2.1, July 24, 2008

- Cursor up and down in grids sometimes did scroll the grid but did not move the selection position.
- FORMATTEFIELD with format "numer" (int, float, ...) sometimes did not take over input value.

Release 2.1, July 21, 2008

- This is release 2.1! All feature updates of 1.1 are consolidated, the HTML rendering now is official part of the product. Please view release notes in the news section.
- Widths and heights that you define with percentage definitions can now be defined in an extended way: you can pass a minimum size as well. E.g. you may define a height of "50%;200": in this case 50% of the available height are taken, but 200 pixels as minimum. (As usual: the pixel value is re-calculated at client side to adapt to the user's zoom factor.)
- The BGPAIN attribute was extended: you now can draw ovals and you can draw texts. Check the online help that is available within the toolset.
- The OUTLOOKBAR showed a repainting error: the buttons did not move when being clicked by the user.
- You can now define multiple dispatcherinfo.xml files: have a look into the Developers' Guide for more info.
- The scrolling of the FIXGRID was improved to always show "full pages" when scrolling to the end of the list.
- You can now specify a file ignore list within the project definition. As result you may define to not copy e.g. .svn files when reloading an application within the Layout Editor.
- The FIELD component did not have a FOREGROUND attribute.
- There is an extended way of providing value selection popups when using the COMBOFIELD component. You now can define popups with any number of columns. Have a look into the COMBOFIELD demo (Field with value help).

- The PAINTAREA component was updated, especially the components you can put inside: the PAINTAREALINEITEM now allows to define diverse arrow types for the start and end point. Arrows can be clicked or selected with the right mouse button.
- You can define "max" as value for the start parameters "startwidth" and "startheight". As result the application (e.g. started by Web Start) will show up taking the whole size of the screen.
- There is the possibility to define that a grid allows the re-selection of already selected items. Use attribute RESELECTABLE and have a look into the grids demos, below "Special issues".
- The default language management which used within CaptainCasa server processing now has an explicit exit: have a look into the JavaDoc, class I18N, method setI18NConnector(I18NConnector connector).
- The components FIELD and FORMATTEDFIELD now support the attribute TOUCSUPPORT. As result a touch pad pops up when the user clicks into the field.

Release 1.1, July 08, 2008

- A new component is available: BUTTONMENU - a button that opens up a menu below. It is very usable to be placed into the header area of an application. Have a look into the demo workplace (section "Components", "Menu").
- The COMBOBOX now provides a default value - that is shown if no value for the combobox is available. See the example in the demo workplace (section "Components", "Combo Box").
- There is a link (HTA) and command link component available within the set of plain HTML components.
- The JSP files are written with some line breaks by the Layout Editor again...
- OK Popup and Yes-No-Popup showed errors when being called twice during one request processing.
- When switching components to RENDERED=false then they sometimes were still shown in the client. Only happened with componentes being placed within ROWBODYPANE, FOLDABLEPANE, ROWTITLEBAR, ROWHEADER.
- When clicking onto the TABBEDLINETAB component with the right mouse button then the corresponding tab is now selected.
- When accessing the client using applets, then there was a certain error resulting in communication error messages when accessing the server through certain proxies.

Release 1.1, June 30, 2008

- Layout Editor: the functions in the tree were drastically improved. It is now possible to operate on multiple selected items (e.g. drag & drop). There are right mouse button

functions cut/copy/paste. You can copy paste across multiple layouts.

- In the Layout Editor you now can control on your own (by setting a corresponding checkbox) if you want the preview area to be refreshed implicitly or not. The preview area is typically refreshed when the component tree structure is changed, e.g. due to drag&drop operations. Because building up the preview area may cost some time you now can define that it is only refreshed on explicit request, i.e. you saving the layout or invoking the refresh function.
- Every component now provides a COMMENT attribute. The comment is directly output into the component tree of the Layout Editor.
- When defining "Enter" (keycode 10) as hotkey and pressing a button via Enter then a double execution of server side activities was triggered. Now the hotkey is omitted when the keyboard is used for invoking buttons/icons/...
- FORMATFIELD now supports the format "datetime" as well. Before you always had to define two fields to show date and time. In the attribute "formatmask" you now can define the output format of the date / time as well: there are the options short/medium/long.
- An example was added to the demo workplace showing how to sort grid rows on your own. View section "Grid - Sorting".
- When defining a hotkey with a menu item, then the hotkey still was active - even if the menu item was set to disabled.
- The recognition of drag operations is now a bit smarter. Before double clicks with a little bit of mouse movement in between were sometimes recognized as drag&drop operation.
- Something completely below the surface: the data volume exchanged between server and client is significantly reduced. Now whole areas in which there was no change are not sent to the client anymore.
- The DropEvent (BaseActionEventDrop/DropCopy) and the popup menu Event (BaseActionEventPopupMenu) now contain the pixel position of the frontend operation as well. Before they only contained a percentual information about the position the user clicked.
- The CaptainCasa look and feel is nicer now: the font was adjusted and the combobox's arrow button looks much nicer now.
- The combobox now allows to explicitly size the popup it opens for selecting valid values. View the demo in the demo workplace.
- BUTTON components had a transparent background when using Windows XP / Vista with classic style.
- In the area of HT* components (the ones rendering HTML) two new components were added: HTA and HTLINK. Both representing a link, HTA is a classical hyperlink, HTLINK is a command link, from function perspective the same as a button.
- The HTFIXGRID component was enhanced, you can now more fine granularly define the rendering. Please check the HTGRID example. You can reach the demo workplace for the HT* components by opening the URL: <http://localhost:50000/demos/faces/workplaceht/htworkplace.jsp> within your browser.

Release 1.1, June 24, 2008

- In the tool Bean Browser there is a nicer display of Dispatcher Beans: all beans that are reachable from the dispatcher are now arranged by package. This makes it much easier to gain overview, in case you have a high number of UI beans managed by one dispatcher.
- JASPER Reports is now integrated - there are two new components to do so: JRVIEWER and JRPRINTER. View the detail information in the news section and view the demos contained in the demo workplace, below "Components".
- A nullpointer was thrown when defining an IMAGEWIDTH but no IMAGEHEIGHT. The error was thrown in the componentes: ICON, BUTTON, ICONSEPTEXT.
- When dynamically building the OUTLOOKBAR component, then the sequence of items was sometimes not correct after updating the outlook bar.
- When having one and the same page rendered two times, and using popup menus, and building these popup menus dynamically, then sometimes the wrong popup menu was shown when clicking the right mouse button. The behaviour within the client of what to do, when there are two identical POPUPMENU-ids within one client screen was undefined up to now: not it first tries to finde the popup menu which is defined within the same page, and then chooses the next one.
- When working with multiple pages within the layout editor, then switching from one page to the other caused some client error screens in the preview area. After pressing "Refresh" everything was fine. Now the client error screens do not show up anymore.
- The interface IWorkpageLifecycleListener was extended by two new methods. Please update your implementations accordingly. We recommend to use class WorkpageDefaultLifecycleListener to inherit from - because this class provides default operations for all interface methods and thus is kept stable throughout releases.

Release 1.1, June 17, 2008

- New component: CLOCK - for displaying a client side clock/date display.
- New, fancy component: PAINTAREA and PAINTAREAITEM. Have a look into the demo workplace, section "Components", below "Animation".
- New component: LAYEREDPANE. This allows you to arrange one pane in front of another pane. Check the example, section "Container", in the demo workplace.
- There is a new interface "IValueBindingListener": this interface is called every time when values from the user interface request are updating a property of a managed bean. You may use this interface to get notified about values thar are set into your beans.
- There is now a more sophisticated management of the statusbare when working with the workplace framework. As soon as content pages are opened within modeless dialogs on their own, then an additional statusbar is added to the page.

- The close-button in workplace popup pages now really closes the corresponding application. There is an additional button for bringing a popup back into the content area of the workplace.
- The workplace management was simplified drastically: you can now set up so called WorkplaceStartInfo objects that you apply to workplace tree nodes and/or favorite information. Part of the data you apply is a list of parameters that you afterwards can read when the user starts a certain page. The documentation was updated in the area "Workplace Management" and examples were added (in the area "General" of the demo workplace). This is a "must-read" for all workplace users!
- A hot deployment feature was added that potentially speeds up the reload- duration of your application drastically. There is one price to pay - you need to be aware of a certain classloader management at design time, but the benefits are very nice! The documentation "Developer's Guide" now has a corresponding chapter introducing this framework.
- When applying SORTREFERENCE values containing a "." inside then the sort icon did not show up, even though the sorting worked.
- The OUTLOOKBARITEM now allows to align the information inside, see the outlook bar example in the demo workplace.
- There was a bug that GRIDFOOTER and GRIDHEADER did not react in any way when setting their attribute RENDERED to false.
- When explicitly setting the focus in the first screen and placing an ACTIVEX component into the first screen, then the focus was moved to the ACTIVEX component.
- ICON and BUTTON components still showed rollover effects when being disabled.

Release 1.1, June 09, 2008

- Four new start paramters which can be applied in .jnlp files: "startx", "starty", "startwidth", "startheight" - each of them defining a pixel definition which applies to the frame which is started by the .jnlp file.
- If setting client configuration parameters from server side using the CLIENTCONFIG component, then the corresponding parameters are not editable within the configuration popup anymore.
- A new client side parameter was added: "clientlogfile". Via this parameter you define a file into which all client side log information will be written.
- File upload of multiple files: the components FILEUPLOADBUTTON and FILEUPLOADLINK now support the upload of multiple files. Use the attribute MULTISELECT accordingly.
- Beta->HTML Feature: the style is now located within the dircetory /eclntjsfserver/htstyle/htstyle.css. A corresponding link is added to each generated JSP page.
- The component ICONSEPTTEXT did not show the text under certain cicumstances and cause some client side looping.
- Images are now scaled (if not having an explicit width/height definition) automatically when scaling the whole screen. If you want to avoid this to happen with certain images add the extension "&noscale" to your image definition.

- Images now support a right-to-left mode - pls. check the documentation on I18N aspects within the Developers' Guide.
- The SCHEDULE component now outputs the text in multi-line mode. And: you can now manipulate the size by drag&drop.
- The statusbar content normally is refreshed with each request coming to the server side processing. We added now the exception that if requests are not caused by user interaction but are caused by the internal processing of some components (ACTIVEEX, MESSAGELISTENETER) then the statusbar content will not be removed.
- A version check in the client was added: when the client finds out that the current VM is not of release 1.6 then a warning popup comes up.
- The BGPAINT attribute was extended to also allow the drawing of borders. Have a look into the valid value information within the component overview.
- The TABBEDLINE component did not properly support right-to-left positioning.

Release 1.1, June 05, 2008

- When putting the focus into a text area then you sometimes could not input text into.
- In the Layout Editor there is now a component overview: select the corresponding menu item within the project's tool menu.
- The Yes/No/Cancel dialog now has a defined size for the contained buttons.
- The FORMATTEDFIELD component now provides the attribute FOREGROUND as well.
- The FILEDOWNLOAD component was updated. This component allows to trigger file downloads from the server side. Please check the example contained within the demo workplace.
- When doing drag&drop operations between two grids, there were certain situations when a "IllegalStateException" was thrown on server side after selecting the first dropped item.
- The client side performance of building up a flexibly sized TEXTPANE component was reduced.
- The TABBEDLINE component now provides an attribute CUTWIDTH. When set to "true" then the line of buttons is cut when there is no sufficient horizontal space.
- The TABBEDLING component now provides a small icon "on the right" from which you can select all tabs as well. This is especially important when using the CUTWIDTH feature - and having hidden tabs as result.
- The ACTION attribute now was officially removed from all components. It was not used at all - navigation aspects are handled in a different, more flexible way.
- An example was added in the demo workplace, "Grid"-arrea, in which typical grid selection processes are shown.
- And: The possibility to create HTML pages was added as beta-feature. You can select a page to be an "HTML page" when creating the page. Please do not use this feature for production purposes - it will be official of feature of the next release.

Release 1.1, May 27, 2008

- FIXGRID rows were not selected when clicking with right mouse button.
- Bug in server side processing when removing items from a list/tree (ArrayIndexOutOfBoundsException).

Release 1.1, May 26, 2008

- The FOLDABLE component now allows the server to control the OPENED-status. Before the OPENED status was only used for initializing the component.
- Direct HOTKEY support was added to all invoke-components (button, icon, menubar-menuitem,...). This means: you directly specify a hotkey definition within an icon - and do not always have to go through the definition of a POPUPMENU. An example on hotkey management was added to the demo workplace.
- File Upload Components: you now can optionally specify a MAXFILESIZE attribute. As a result the user can only upload files below the size specified.
- There is a special icon available now: ICONSEPTEXT. The text of the icon is positioned below the icon's image, the horizontal width of the text is defined by the icon size. The text, if too long, is automatically broken and displayed in multiple lines.
- The resizing of the SPLITPANE is smarter now and does not happen anymore once the user has updated the sizing on his/her own. Especially in the Layout Editor environment there were some "unmotivated" split pane resizing effects...
- The double click within a FIXGRID processing was not rely-ably recognized under some circumstances.
- Within the Layout Editor you sometimes saw "double modal popups". When closing the second one sometimes an error occurred.
- In the bean browser (within the Layout Editor), beans were not shown that only consist out of one character (e.g. "getP()").
- Examples how to implement "grid in grid" were added to the demo workplace.
- The TABBEDLINE did not show its correct height when not containing one item. In addition the TABBEDLINE now supports keyboard selection as well.
- When using the CaptainCasa workplace environment: the "save" interface of the workpage container was checked and updated.
- The SCHEDULE component now supports vertical positioning of schedule items.
- The sorting of Null-items within the default FIXGRIDListBinding processing had an undefined behaviour - now null values are properly handled.
- You now can optionally directly access the so called variable resolution - and use it within your application processing. Example: you may want to re-initialize your server side application. Please check the example inside the demo workplace.

Release 1.1, May 07, 2008

- The tool environment was tidied up: it now uses the own workplace concepts, i.e. you can maintain multiple page in parallel. ...and it looks much smarter, that's at least what we think about.
- Upgrading a project can now be done from the project overview, that is part of the CaptainCasa tools. The project overview will indicate if a project needs to be upgraded - and there is a function to execute the upgrade.
- The version.xml file is now output to the server log when starting the system.
- The new components SCHEDULE and SCHEDULEITEM allow to maintain scheduled. Please have a look into the demos within the demo workplace.
- There is now a dedicated envet type for popup menu events: before popup menu events were simple BaseActionEvent-objects, now they are passed as BaseActionEventPopupMenuitem-objects. There is no need to change exsiting code because BaseActionEventPopupMenuitem inherits from BaseActionEvent.
- The events that are pased on server side when dropping items (BaseActionEventDrop) or selecting a menu item (BaseActionEventPopupMenu) now pass the position of the mouse cursor as float-percentage value. Before they were passes as integer only - with the result that there was a certain in-accuracy. The interface of both event types now support getting the value as integer or as float value.
- The positioning of popups had some errors - when popups were called inside popups.
- All fields now support the feature that the text is completely selected when the user tabs into the field.
- The server part is now tested to run with the JBoss 4 JSF implementation. When using: in WEB-INF/lib you need to remove the jsf-api.jar, jsf-impl.jar and log4j*.jar - otherwise JBoss will come up with class loading issues.

Release 1.1, Apr 28, 2008

- The Code Generator now uses the server VM's default character encoding for reading and writing Java source code. Before UTF-8 was used. - In case you explicitly want to define the encoding: there is a new parameter "javasourceencoding" that you can define inside the CaptainCasa project definition.
- Popup windows can now be explicitly pushed in front of other popup windows. There is the method ModalPopup/ModelessPopup.requestFocus() to do so.
- The position of a popup can now be explicitly controlled. Before the client tried to find an optimal position based on the component's location on which the popup was reuested. - The position of popup windows now is interpreted to be relative to the owner's window position. In addition they are mulitplied by the size factor which is applied at client side.

- The ROWBODYPANE now provides the DROPRECEIVE attribute. As a result it provides the capability to drop icons inside.
- The workplace framework was enhanced by a "favorites area". You can drag and drop content from the function trees into this area. Have a look into the demo workplace in order to get more details.
- A focussed label (e.g. in a grid) is now marked.
- "Grid in grid" is possible now: please have a look into the example within the grid section.
- The Pivot management was enhanced to provide the adding of a checkbox that tells about the selection status of lines and folded lines. The example in the demo workplace was updated accordingly. In addition you now can specify own content references for folded lines as well - pls. also check the example.
- The web.xml file is not part of the "webappaddons" directory of your installation. Up to now this was the only file to pay attention to when copying the content of "webappaddons" into your own project. Now you do not have to pay attention anymore.
 - When you have CaptainCasa already installed and upgrade your installation: please manually remove the /webappaddons/WEB-INF/web.xml file.
- The documentation "Developers Guide" now covers the online help management.
- In the DefaultDispatcher up to now only classes were managed which were located in the same package as the Dispatcher. Now you can cross-link to other packages as well by defining a dispatcherinfo.xml configuration file. Read details in the Developers' Guide, workplace management.
- In the file upload dialogs components you now can specify an extension filter.
- The BROWSER component sometimes loaded a URL twice.
- The TABBEDPANE component now provides the function to send notifications to the server when the user switches from one tab to the next. In addition the server side program now can explicitly control which tab to show on client side. The example in the demo workplace was updated accordingly.
- There is now the possibility to define a central POPUPMENU component which is valid for all parts of a screen: define the POPUPMENU with the id "ECLNTPAGE" inside your outest page definition to do so.
- The multi line selection mode in FIXGRID components was enhanced: dragging and dropping items is now much smarter than before. Please check the corresponding example in the grid section of the demo workplace.

Release 1.1, Apr 15, 2008

- Within the bean browser tool expression within dispatcher beans were resolved in a non-correct way. - This bug is the reason behind providing a new update quite fast...
- There is an /eclntjfsserver/config/system.xml file (optional), in which you can explicitly specify the SAX parser factory to be used by the server side of CaptainCasa Enterprise Client.

Release 1.1, Apr 14, 2008

- Improved management of server side errors: in case an action listener causes an exception that is not caught by application processing the "yellow/red" screen, that is shown up to now, is replaced by a more proper screen - directly showing the server side error stacktrace. The page by default is the page `eclntjsfserver/includes/showservererror.jsp`. You can overrule by defining the client start parameter "errorscreen", pass your page in the format: `"/faces/eclntjsfserver/includes/showservererror.jsp"`
- Internationalization: the client's country and language settings (that are up to now defined by client start parameters) can now also be defined from server side. There is a non-visible component `CLIENTCONFIG`, please check the demo workplace: General Issues - Language and Country Settings.
- `BUTTON` and `LABEL` components now support a special way of width sizing: by defining a width "100+" you indicate that the minimum size of the button is 100 pixels. But: if the text of the button is too long to fit inside, then the width of the button is updated accordingly.
- Documentation on workplace concepts was added.
- `FIELD`, `COMBOFIELD` and `FORMATTEDFIELD` now are automatically grayed when being disabled.
- When changing the screen scaling from 100% to 125% and then back again - the font sizes were not updated correctly. This is fixed now.
- A new component `PROGRESSBAR` was added.
- The server side management of the valid values of a combo box showed some error behaviour - in special environments, only. Result: items of the combo box were not updated properly.
- It's close to unbelievable: the SAX parser within the server environment showed some ugly bug - we have filed this bug to Sun... That's the reason why `crimson.jar` is now part of the `WEB-INF/lib` jar files.
- Popup window's sizes and positions are now transferred to the server as well. Please check the demo workplace, General Issues - Arranging Pages - Popup Sizing.
- When opening several popups, it sometimes happened that when closing one popup the wrong one was closed.
- The `BROWSER` component had some pixel-shifting - which is corrected now.

Release 1.1, Apr 07, 2008

- You now can apply the `REQUESTFOCUS` attribute also on `PANE` components. Background: within a starter page (e.g. workplace) you want the focus to be within a certain component in order to enable hot keys.

- Within the FIXGRIDListBinding: the function `getSelectedItems()` will return the proper values - also when removing, clearing, etc. the collection on server side.
- The ACTIVEX component now blocks the screen while it is processing.
- Pressing the right mouse button in a FIXGRID now has the same effect as pressing the left mouse button: the underlying row will be selected. If in addition a popup menu comes up or not, this is part of your layout definition.
- The COMBOBOX look and fell is much nicer now within the CaptainCasa Look and Feel.
- The focus management had problems when requesting the focus for a component on the first page.
- With the BUTTON component you now can use the same rollover effects than with the ICON component. User attribute `ICONROLLOVER`.
- Drag & Drop on BUTTON and BUTTONPOPOP is now possible.
- The default creation of a JNLP page did not add the rights that were required to run the web start application. As consequence the web start failed (sometimes).
- The TEXTAREA was still input-able, though setting the `ENABLED` attribute to "false". In addition we added some inset spacing to the TEXTAREA so that it look nicer now.
- Texts with character code "0" caused problems in the client processing.
- The pivot table management now also administers buttons to show if a pivot row is opened or closed. Please check the example in the demo workplace.
- The dynamic rendering of FIXGRID columns (via `RENDERED`) did not correctly work.
- The ROWINCLUDE component now provides an attribute `CONTENTREPLACEDRILLDOWN`. The meaning is the same as `CONTENTREPLACE` - but: this time the definition is drilled down to all included pages as well - that are part of the page included by the ROWINCLUDE component.
- The demo workplace was much improved. You now can start mutiple pages on the same topic (e.g. the Mini Spreadsheet or Budget Calculation). You can switch between pages using `ctrl-alt-left` and `right` and much more. The internal base is a framework that simplifies the definition of workplace scenarios a lot. Detailed documentation about this framework will follow short term.
- The checking of regular expression using `REGEX` attribute in the FIELD component was extended: there is a `REGEXMODE` which decides if invalid input is removed or kept.
- Drag&Drop was improved: it is not possible anymore to drop content onto components (e.g. FIELD) that have not specified an interest in receiving dropped data.
- The statusbar now supports warning messages. And it's possible to pass multiple messages within one request processing. The last message is the one that is rendered inside the main statusbar, there is a "+"-Icon which shows the other messages on user request.
- Two components for file upload and download: `FILEUPLOADBUTTON` and `FILEDOWNLOADBUTTON` - the same as the existing *LINK components, but now rendered as button.
- The file download popup is much nicer now - and tells the user that a file was downloaded successfully. You now can specify the name of the download file explicitly.
- There was an error in `FORMATTEFIELD` - sometimes the value of the field was not passed to the server side processing.

Release 1.1, Mar 26, 2008

- The FIXGRID now supports the sorting of rows. Have a look into the documentation, chapter "Grid Components". It is very easy to define the sorting, and there are a couple of extension points in which you can add own sorting rules. Sorting is both provided for normal grids and provided for tree grids.
- Tool's performance: the loading of a project sometimes took a while - all files, that belong to the web application, were read in one step into the project hierarchy. Now the loading is done step by step...
- Components COLLINE and ROWLINE now support the RENDERED attribute as well.
- The popup animation was changed: popups are not flying in anymore but now have a dimming background.
- An example was added to the demo workplace, that shows how to support long running server side processing - that is running in a thread of its own. The example is located below "General Issues".
- The copying of files in the layout editor, that is done when you refresh the web application, now is more error-tolerant. Before, an error during copying (that very seldomly occurred with some scenarios due to files being blocked) crashed the system. Now the copy is processed, error information is output into the editor's log.
- The GRIDCOL now properly supports the RENDERED attribute. In addition some examples were added to the demo workplace, that show how to dynamically control grid column rendering.
- The BUTTON component now looks much nicer for non-Vista Look&Feels when being rendered with CONTENTAREAFILLED=false.
- The FOLDABLEPANE now supports the explicit control on rendering the background of the header area: use attributes HEADERBACKGROUND and HEADERBGPAINT.

Release 1.1, Mar 14, 2008

- The layout editor now has a "Messages Area". Every time you save the layout then certain checks are processed (e.g. mandatory attributes are checked). The result is displayed in the messages area.
- Popups are now always positioned in a way that allows the user to grab the popup's title.
- We introduced a CaptainCasaLookAndFeel - you can select it by opening the client configuration popup window (the one that opens when you press the icon shown on the bottom right...). Up to now we used the system's look and feel, which (especially for Windows XP users using the classic style) did not look too beautiful. The CaptainCasaLookAndFeel is independent from the underlying platform, i.e. it looks the same on Linux than it looks on Windows.

- It is not possible to download files to the client: use the FILEDOWNLOADLINK component to do so. Have a look into the demo workplace for an example on how to use.
- A de-select event is now passed to grid items. Just override the method onRowDeselect() inside your grid item class.
- The COMBOBOX, when being used with editable=true showed some misbehaviour when inputting certain keys.
- There are some nice animation effects in the FOLDABLEPANE. The background is shaded for a certain duration of time when being opened or closed. - And popup dialogs are now flying in from the bottom...
- FIXGRIDTreeBinding now supports the method ensureItemToBeDisplayed() as well. This method scrolls the tree so that the item will be visible.

Release 1.1, Mar 03, 2008

- The COMBOBOX's popup, that is showing the list of selectable options, up to now had the same width as the combo box itself. Consequence: in case of small width definitions the popup values were not properly shown. Now the popup has a minimum width of 150 pixels.
- There is an optional function now to optimize the server side collecting of data from grids. You may use this function when working with "big grids" (e.g. 50 or more columns). Have a look into the Developers' Guide, chapter "Working with Grids".
- The FOLDABLEPANE's title text now also is "clickable".
- The TABBEDLINE now provides the possibility to select the active tab from the server side application. In addition the example in the workplace was updated in order to demonstrate how to easily adapt the look and feel.
- Tools: from the project screen (the one showing the tree of available JSPs) you now can easildy get into all configuration files of the project. Click "Configuration..." and select the corresponding aspect.
- Layout Editor: the list of attributes can now be viewed in two different ways. In the "Favorites" way you only see the most important attributes, in the "All" way you see all attributes.
- Layout Editor: Drag & Drop is now enabled for dragging expression from the right into attributes definitions on the left.
- When using "editable=true" in the COMBOBOX then the input of valid options via keyboard was not properly working.
- The timestamp in the log file, sometimes showed "00" values for hour and minutes.
- The documentation, chapter "Working with Managed Beans" was enhanced and now includes information on how to take part in the JSF Phase Management. E.g. there is the possibility to execute certain functions at certain phases (e.g. end of render phase).
- There was a memory leak when working with popups.

- The PASSWORD component now properly reacts on keyboard input when its BGPAIN attribute is defined as "mandatory()".
- The BUTTONPOPUP dialog closes automatically when a function is invoked that communicates data to the server.
- A new component MENUSEPARATOR now allows to put separator lines into menu definitions.
- When using popup menus together with hot key definitions then the hotkey is automatically added to the menu text ("Save ctrl-s").
- Two new components that simplify the drawing of lines: ROWLINE and COLLINE were added.
- When defining a LINK to be disabled, then there was still an event coming when the user clicked the link.
- CHECKBOX and RADIOBUTTON component without text did not properly show if they were focussed or not. Now there is some background shading.
- Last but not least: a simple and default way of defining and accessing resource bundle information was added to the server runtime and the Layout Editor. Have a look into the chapter "Language Management within your Application" of the Developers' Guide.

Release 1.1, Feb 26, 2008

- The log output that is done in case a property is not available on server side was reduced to be on information level (before it was a warning). Background: there are certain situations (e.g. grid processing) in which it is allowed if a property is not supported by the server side processing.
- Setting the focus for a component did not work for the first page that was requested by the client.
- Hot keys did not work on COMBOBOX if the COMBOBOX was switched to editable.
- Some components were not properly released within the client, causing memory leaks.
- The component IMAGECAPTURE now provides the possibility to directly control the background painting of the icons. The logical interface was enhanced by 4 corresponding methods (getBgpaint*()).
- The IMAGE and HEXIMAGE components were updated: they now on the one hand provide an attribute KEEPRATIO. If defined to be "false" then the image does not keep its width/height ratio when being explicitly sized using the HEIGHT and WIDTH attribute. The default is true. - On the other hand there is an attribute INVOKEEVENT: using this attribute you can define that certain mouse events ("click", "doubleclick") invoke a server call.

Release 1.1, Feb 18, 2008

- Information on how to install CaptainCasa Enterprise Client into an existing Tomcat environment (e.g. on a Linux platform) was added to the Installation Guide.
- Some Wizard API addons.
- More intensive logging when opening an ActiveX component within the Java frontend components.

Release 1.1, Feb 14, 2008

- The previous version contained a bug in the tool's area: the popups (creating a project, creating HTML/JNLP file) showed up with empty content. This was the main reason for publishing an update very fast...
- The COMBOFIELD now supports the attribute FLUSHTIMER as well. The demo "Field with Value Help" was updated in order to show what you can do with it: value help, that opens by itself and shows up valid values dependent on the user's current input.
- The resizing of grid columns showed some error, when the first column had a width of 100%. The same happened when using this function in right-to-left display mode.
- Popup dialogs did not show the hour glass when communicating to the server.
- ...and still (as you see from the first item of today's release...): keep in mind the last release's "pay attention" with popup pages! All popups need to be addressed with their absolute path within your web application, starting with "/".

Release 1.1, Feb 12, 2008

- The demo workplace was massively updated - now using transparent colors for adding some wow-effect... The usage of transparent colors was added to the documentation (Developers' Guide) as well.
- A popup's background painting can now be centrally controlled using a Java API. Check the Developers' Guide, Popup Management.
- The wizard API was modified and now provides for a couple of optional methods by which you can control text, rendering and icon setting of wizard pages.
- The TABBEDPANE component now supports an attribute TRANSPARENT. The default is "false", i.e. the TABBEDPANE's background will be rendered according to the Look & Feel definitions. Setting TRANSPARENT to "true" will let the background shine through.
- The ACTIVEX component now supports an attribute SENDONCHANGEONLY. The default of

this attribute is "true", i.e. data is transferred from the ActiveX to the server side only if some of the ActiveX values that you observe actually changed. Setting SENDONCHANGEONLY to "false" will always transfer ActiveX property data, even if it did not change at all. Be aware of the data volume cost per roundtrip when setting this property to "false"!

- The TREENODE component now supports the attribute FONT as well.
- The Code Generator tool was enhanced to not only show the source code properties and methods, but to also allow a drill down of these properties via introspection. The Code Generator tool was added to the documentation as well.
- The attribute ROWALIGNMENTY with the FOLDABLEPANE component did not have any effects.
- Using COMBOBOX within a GRID together with FLUSH="true" caused some problems: when opening the COMBOBOX then the wrong item was shown as selected item.
- When working with ROWINCLUDE then you up to now were bound to keeping all JSP pages within one and the same directory. Now you can distribute your pages to different directories of your web application. - **PAY ATTENTION: as part of this there may be some conflicts for pages that you use in popup dialogs, and pages that you use within wizards: these pages have to be defined with their absolute address within your web application, i.e. starting with "/"!**
- The IMAGECAPTURE component now allows an explicit sizing. There are new attributes: HEIGHT, IMAGEHEIGHT, IMAGEWIDTH.

Release 1.1, Feb 08, 2008

- CHECKBOX and RADIOBUTTON now offer the attribute ALIGN as well - which allows horizontal alignment. This is typically needed when using the components within a grid column.
- The PASSWORD component now supports BACKGROUND and BGPAINTE as well. This means in particular, that you can apply the BGPAINTE="mandatory()" rendering to the PASSWORD component. Please pay attention: the BGPAINTE rendering is done in front of the text rendering of the component, there's unfortunately no way around... this means: any BGPAINTE rendering needs to be done aside the text, otherwise it will cover the text.
- The OUTLOOKBARCOMPONENT showed some weird behaviour when NOT using the VALUE attribute.
- The attribute ROWDISTANCE in FOLDABLEPANE did not work correctly.
- The PIVOT grid now only allows the user to fold/unfold items that display a text.
- The ValidValuesBinding class that is used for COMBOBOX component now provides functions to sort the values by their value or by their text.
- When changing the scaling of the whole screen then the size of the MENUBAR was not scaled - only its text content. The same was true for COMBOBOX.
- COMBOBOX now provides for the attribute HEIGHT as well.

Release 1.1, Feb 03, 2008

- Focus Management: you now can set the focus for a specific component not only at creation point of time but also during runtime of a page. Please have a look into the Developers' Guide, "Working with Components".
- A first version of the tool "Code Generator" was included in the Layout Editor. Please find more information [here](#).

Release 1.1, Jan 30, 2008

- There was a bug in the Layout Editor: a server side crash (yellow/red error page on frontend side) was caused when dropping tree nodes in a certain way.
- There are two new client config parameters that can be passed: "selectioncolor1" and "selectioncolor2". These both colors are the ones that are used when selecting an item in a grid. If using: pay attention to add some transparency factor into the color code, so that the background color of the selected component is shining through. Color code is "#RRGGBBTT", TT being the transparency.
- The grid showed some wrong rendering of lines when being used in right to left mode.
- The position of the splitter in SPLITPANE component can now be set as percentage value.
- (Some) client properties can now be changed during runtime of the client. Have a look into the right bottom corner of the screen. There is a tool's icon - when clicking a window pops up allowing you to change the parameters.
- Components that you use as cell component inside a grid now can both bind to row properties (".{}"-expressions) and to normal bean properties ("#{}"-expressions). A demo "Grid Binding" was added to the demo workplace.
- The management of complex attribute values (e.g. semicolon separated strings) was tidied up and now supports the passing values, containing "critical characters" as well. Please have a look into the corresponding appendix of the Developers' Guide.
- The wizard framework was updated.
- The border of a FIXGRID now can be explicitly set - via FIXGRID-BORDER attribute. This is the border around the whole grid - the cell borders are defined by BORDERCOLOR, BORDERWIDTH and BORDERHEIGHT.
- CHECKBOX and RADIOBUTTON now have a transparent background.
- When resizing a FIXGRID, sometimes the borders between the cells did not resize in a proper way.
- The SPLITPANE component now allows to explicitly define a size and a background color.
- Components now support a vertical positioning via attribute ROWALIGNMENTY. Please

have a look into the demo within the demo workplace.

- Using the RENDERED attribute with PANE component (and also others) did not properly remove component's vertical space - if there was no other component in addition within a certain row.
- The TREENODE with embedded component (e.g. CHECKBOX) caused crashes of the client when navigating from one page to another.
- The look and feel can now be passed from outside by using parameter "lookandfeel". In addition we include the JGoodies look and feel library. Have a look into copyright notices when using this library.

Release 1.1, Jan 22, 2008

- The Macro Management was "opened to public": please have a look into the Developers' Guide for information: macro management is extremely useful when working with server side frameworks...!
- A first example showing the usage of the context sensitive online help was added to the demo workplace (at the very bottom...). Please have a look.
- FORMATTEDFIELD and CALENDARFIELD had problems when clearing the data in the field: the value did not change. Now clearing of data means that a null value is set on server side.
- Within the logging configuration (/eclntjsfserver/config/logging.xml) you now can explicitly define the log directory, where log files are placed. Have a look into the Installation and Configuration guide.
- TEXTAREA looked a bit messed when doing keyboard inputs.
- The FORMATTEDFIELD and CALENDARFIELD components sometimes showed some flickering keyboard focus.
- The FIXGRID used with TREENODE sometimes did not show a proper scrolling behaviour: the scrollbar was moved to the top position though there were still items above.
- Reloading the web application within the Layout Editor was optimized: now only these files are copied which actually have changed.
- STATUSBAR can now occur multiple times.
- OUTLOOKBAR now optionally binds to a value. The value is the index of the item which is currently opened. The value is on the one passed to the server on changes, on the other hand you can explicitly set the value on server side in order to render the OUTLOOKBAR correspondingly.
- FIXGRID: the de-selecting did not work correctly for grids with multiple selection.
- CHECKBOX now provides a TRIPLESTATE attribute. Have a look into the checkbox demo within the demo workplace.
- COMBOFIELD now supports attribute EDITABLE as well. If set to false then the user can select values via the value help - but not via manual keyboard input.
- FOLDABLEPANE now provides OPENED attribute - this is the default status of the pane when being displayed the first time.

- By using the config file sessiondefault.xml (in /eclntjsfserver/config) you now can define country and language of the default session as well. If not defined then the JVN's default locale is used.

Release 1.1, Jan 16, 2008

- Client side logging: you now can pass a start parameter "loglevel". When setting to "ALL" or "FINE" then you will also see the actual XML returned from the server within the log.
- When using GIRDHEADER and GRIDFOOTER then you sometimes saw server side errors saying "IllegalStateException" because of duplicate key occurrence in the JSF document.
- The FIELD component now has a published attribute FLUSHTIMER. With this attribute you can define that after a certain period of inactivity in the field a flush to server side is executed. Only works if setting the normal FLUSH to "true".

Release 1.1, Jan 15, 2008

- Documentation was added within the installation guide how to set up and use server side and client side logging.
- The LINK, FILEUPLOADLINK and ANIMATEICON (internally used in FOLDABLEPANE) are not listening to "mousePressed" and not "mouseClicked". Result: much more reliable selection.
- There was a nice problem with displaying Chinese characters - sometimes these characters were correctly displayed, sometimes not...

Release 1.1, Jan 14, 2008

- Date input via CALENDAR, CALENDARFIELD available + documented.
- Demo for RENDERED attribute added to demo workplace.

Release 1.1, Jan 11, 2008

- This is release 1.1. Thanks to all the beta users for giving such a lot of feedback!

- Documentation was enhanced in many places. A new chapter "Component Overview" was added. A new chapter "Building Dynamic Pages" was added. The chapter "Page Navigation" was massively updated.
- The demo workplace was extended: LINK demo, COMBOFIELD demo, FORMATTEFIELD demo, STATUSBAR demo.
- The COMBOBOX component can now be filled much more easily than before, using the VALIDVALUESBINDING attribute. Have a look onto the corresponding demo within the demo workplace.

Release 1.1, Release Candidate, Jan 09, 2008

- In the layout editor mandatory attributes are now optically marked. This makes it much easier to identify the really important ones...
- A pivot demo grid was added to the workplace.
- HEXIMAGE and IMAGE now properly scale the image passed - keeping the width/height relation of the image. Scaling happens, if you explicitly define a size (width/height) for the component. If you do not specify a size then the image will be rendered with its original size.
- The text in GRIDCOL can now be aligned. - The font in FIELD can now be set.
- Something special: in the ACTIVEX component you normally can only pass string properties (either as property or as method parameters). By writing "int:", "float:", "boolean:" or "long:" in front of the parameter value you can explicitly control which parameter type is passed to the ActiveX call.
- When creating a new layout in the CaptainCasa toolset then you can customize the layout template that is taken as default. Update the file located in the editor's web application: editor/config/jsp_template.jsp. There is a template file with extension "jsp_" available in the directory. Do only change the content between the dashed lines within the file!

Release 1.1, Release Candidate, Jan 07, 2008

- Within the FIXGRID there is now an attribute AVOIDROUNDTRIPS. Setting this attribute to "true" will have the effect, that normal selections of items are NOT send to the server anymore - but wait for the next roundtrip to be transferred. The default of this attribute stays to be "false", you should switch this attribute to "true" wherever possible from your logic's point of view.
- A simple tree example was added to the demo workplace.
- The name of the constant FIXGRIDTreeItem.STATUS_CLOSED was renamed to STATUS_CLOSED. Please adapt if you already referenced... (sorry!).
- The grid processing now sends the actual number of items shown in the client to the

server. There is a property "clientvisibleamount" available in class FIXGRIDBinding.

- Some internal changes with rightsizing the setting of properties into the right JSF phase.

Release 1.1, Release Candidate, Jan 06, 2008

- This is the first release candidate! This week there will be a series of candidates - finalizing with Release 1.1 to be published on Friday, Jan 11th!
- Drag & Drop of columns works again ;-) ... And it now reacts adequately when dropping the column on the left or right side of another column.
- The Wizard controls are now translated into English and German.
- There was a refresh problem when using ROWINCLUDE, staying on the same and changing the CONTENTREPLACE attribute.
- TREENODE now shows a nicer icon for end nodes.
- Popup Management: it is not necessary anymore to explicitly add a ROWINCLUDE of page /eclntjsfserver/includes/modalpopup.jsp - this is now automatically done. TODO for you, if already having used popups: remove the ROWINCLUDES from your pages!
- Layout Editor now immediately opens up when creating new layout files.
- Mouse wheel support was added for all grids.
- Language problems: when starting the server in a "German JRE" then the translations (e.g. in Yes/No Popup) were not found properly.
- ACTIVEX control now allows a callback immediately after a command was executed on control side.
- COMBOBOX with EDITABLE=true did not work.
- Interface for simple creation of wizards was enhanced.
- In very rare cases the grid selection was not updated properly (e.g. user selects a grid item, but logic on server side removes the selection immediately).

Beta Jan 03, 2008

- Scaling of client was introduced - you now can pass a "sizefactor" and "fontfactor" as start parameters to the client. As consequence pixel sizes and font sizes will be multiplied with this factor prior to being output. Check the Developers' Guide, Appendix "Starting Enterprise Client Pages" for information how to pass parameters.
- Locale information can now be passed into the client processing as well, e.g. to define the client's date and number format. Have a look into the Developers' Guide, there is a new chapter "Internationalization". The chapter covers also how to use resource bundles to "soft-wire" literals within your page definitions.

- The http header now contains to parameters "eclnt-language" and "eclnt-country" transferring locale information from the client to the server processing.
- The list of beans properties and methods in the Layout Editor is sorted now.
- The FILEUPLOADLINK component sometimes opened the upload dialog twice.
- The different types of events, that were up to now separated by having different commands within the BaseActionEvent are now separated by corresponding event classes. There is a BaseActionEventFlush class for the flush event, a BaseActionEventUpload for the file upload etc.
- A demo was added in the grid section, showing how to fill big grids "on demand", i.e. following the user's scrolling through the grid.
- When opening and closing FOLDABLE componentes then sometimes the scrollbar of the ROWBODYPANE was not updated correctly.
- https is now fully supported. When starting the applet ot the web start client through https then all the communication between Enterprise Client and server is done using https as well.
- With the FONT attribute you now can define "posture:italic".
- The drag and drop event now also tells the server the position where the drop event happened. In the BaseActionEventDrop and BaseActionEventDropCopy there are properties to find the percentage position of the drop (relative to the control, on which the drop was executed).
- Grid rendering was optimized: empty rows are not rendered at all anymore. (Please do not use EMPTYCOLOR anymore, this attribute will be removed with the next beta release!) Consequence: the background of the grid automatically shines through when no content is defined - grid rows are not rendered without data behind.
- Bug fixes in the IMAGECAPTURE component.

Beta Dec 18, 2007

- Due to a tidy-up of names you need to change the URI reference of the CaptainCasa JSF component library in your JSP layout definitions. This is a **"one shot change"** to be done, please find information [here](#).
- You now can build own component libraries and include them into the Enterprise Client runtime and design time. A component may for example be a specific arrangement of existing components ("composite component"). The extension concept bases on JSF (of course) and is documented in a own chapter of the Developers' Guide.
- Optional, ehanced exception management available + documented in Developers' Guide. The exception management unburdens your application to always try/catch everything within a action listener method - but shifts the hadling of excetptions into sepcial methods.
- New components FILECHOOSER and FILEUPLOAD - that allow to you to select a client side file and to upload it to the server. Of course the Java runtime will ask the user for permission if being used in the scope of an applet. You find an example showing the usage of bothe components within the demo workplace.

- Right to left display is not available in its first version. If you want to have a look: change the batch file to open a certain page (e.g. the ones below INSTALLDIR/server and add a fourth parameter to the calling of PageBrowser: this fourth parameter either is "ltr" as default or "rtl" for "right to left" display.
- ROWINCLUDE component had errors when including pages that internally used the RENDERED attribute of components. You typically saw a NullPointerException in the server log, and a client error screen.
- The OUTLOOKBAR component showed errors when loading it dynamically with changing content.
- Using FLUSH on PASSWORD component did not work correctly.
- When using ACTIVEX integration or when using the BROWSER component then after first time usage drag&drop did not work anymore. This bug is fixed.
- Developers' Guide was extended. JavaDoc of the server processing is now available in the documentation/ folder of your installation. We are working on improving the content, this is the first shot.

Beta Dec 10, 2007

- Rollover effect on button is a bit smarter now...
- MENUITEMs now always call their ActionListener (if available), also when used as popup menu item. Before only the ActionListener of the clicked component was invoked, now both ActionListeners are invoked: the one of the MENUITEM and the one of the clicked component.
- Modal popups and modeless popups: there was a bug with modals (in fact every modal popup was modeless...) and there was a restriction that a popup could not open a new popup on its own.
- OUTLOOKBAR now has a customizable background ("curtain").
- Layout Editor: the finding of a component inside the tree on the left when clicking on the component in the preview area now works much more reliable.
- Layout Editor: the ActionListener is a bit better isolated from the rest of the attributes. In addition the commands that are processed on server side with a certain component are shown.
- Sizing issues: when using FIELD and COMBOFIELD side by side, then sometimes the COMBOFIELD consumed more space though having the same percentage width.
- ROWINCLUDE: a powerful feature was added. By maintaining the attribute CONTENTREPLACE you can now update the attribute values of an included page at the point of time when the page is included. Have a look into the Developers' Guide, Page Navigation, for more information.
- The Developers' Guide was extended.

Beta Dec 05, 2007

- The background color painting was changed from flat background colors to shaded colors. Internally this meant a quite nice tidy-up of painting and of the control about opaque areas... but we seem to be through.
- You now can use complex definitions inside the FIXGRID columns. Before you only could put simple controls into a grid, now you can do complex layout definitions within a grid cell. Have a look into the demo below "Grid Control" within the demo workplace.
- The "refresh" button in the layout editor now can be associated with an ANT task that is executed when refreshing. This means: as part of the refresh you can do deployment steps on your own.
- Poppups can now be closed with the ESC key as well.
- A control can now request the focus by using the attribute REQUESTFOCUS. We introduced this attribute with FIELD and FIXGRID, but will extend to "all" controls. If setting this attribute to "creation" then the component will try to obtain the focus on page show up.
- The project configuration file can now be reached from the project overview. There's a button "Configuration...".

Beta Nov 30, 2007

- COMBOBOX and COMBOBOXITEM: there were a couple of inconveniences when using the attribute LOADONDEMAND: e..g. combo box did not come up with proper height.
- Attribute COMPONENTBINDING: this attribute allows to dynamically build up the page content by server side processing. The corresponding set-method was called ONE time in previous versions, which made this feature not really usable in grid processing. NOW the set-method is called every time a request is processed.
- Component PASSWORD is now usable from the editor.
- Component FIXGRID now provides an attribute EMPTYCOLOR - that is the color of empty lines, in case there are more lines in the grid than coming from the server data.
- Default Popup for id-text-selection (COMBOFIELD). Changed from a decorated popup to a non decorated in order to make the visual experience "lighter". Please check how you like it + give feedback.
- Setup: within the INSTALLDIR/server/tomcat/webapps directory the default web applications /editor and /demos are not coming as .war files anymore, but come as extracted directories. Background: before installation updates did not come through, because Tomcat saw no necessity to extract the new .war files.
- Layout Editor: when working with the default project setup then a refreshing of the application in the Layout Editor ("refresh" icon on the top right) automatically reloads the web application. Please have a look into the Developers' Guide, there is a new

chapter "Details on default Tomcat Configuration".

- ...ouuh: the problem with "Umlaute" (> ASCII 127 characters) is solbed. Sorry for this...
- Component ICON: is now an abbreviation of a button component - and looks much nicer now (rollover behaviour etc.).
- Component OUTLOOKBAR: the transfer from one content to the next is much smoother now.

Beta Nov 28, 2007

- New control OUTLOOKBAR was added. Have a look into the demo zone - it really looks nice.
- A graphics/chars section was added into the demo workplace showing how to place graphics that is generated on server side into the frontend. There is a special component to support this: HEXIMAGE. The component receives the image as character hex stream (e.g. "0AFC0349") converts this into a image byte representation and shows the corresponding image. For generating the graphics we use (and also are very pleased with...) JFreeChart.
- A bug in the layout editor was fixed. Sometimes it did not show any component items on the left.
- The selection behaviour of grids is much nicer now - before items waited for a server roundtrip before being rendered as selected, now they immediately render.
- An annoying problem was solved: when workink in the layout editor and referencing managed beans and properties which not yet existed, then you got an error message, telling that the server ran into an error. When inspecting the server then you found out that JSF "told" that a corresponding property of a managed bean could not be resolved. Not non existing properties are passed back as null values.

Beta Nov 26, 2007

- New control TABBEDLINE was introduced. It allows to select from a horizontal lit of tabs - but does not automatically come with a corresponing pane for each tab. Please have a look onto the demo within the demo workplace.
- The BUTTON control now allows much more features for configuring the layout as before. A special demo page was added within the demo workplace.
- The PADDING attribute of container now can be set in a more detailed way. Instead of defining the padding by a fix pixel value for all sides, you now can explicitly define the padding per side: "left:1;top:1;right:2;bottom:4"
- The TABBEDPANE now allows to define the position of the tabs - please have a look into the "Pane Overviews" of the demo workplace.
- The webstart / directly started clients are now properly visible within the Windows

taskbar.

- A new demo was added, showing how to use the background painting, that is available for all container elements.
- The docu (developers' guide) was enhanced.

Beta Nov 22, 2007

- Yesterday's build came with an ugly bug in the layout editor (+ in general all screen using the SUBPAGE control. This bug is fixed.

Beta Nov 21, 2007

- All grids now support the feature that users can size the columns and define the sequence of columns on their own. The information about column sizing and column sequence is passed to the server side processing so that you build up personalize-able applications.
- The message output of Enterprise Client messages (a small, overlays area on the bottom right) now really works and tells the user that e.g. the client is waiting for the response of the server.
- During communication from client to server side the client now is blocked in a way that a user gets to know: by an hour glass. Sounds simple, but...

Beta Nov 19, 2007

- Documentation update: Developers' Guide enhanced by some new chapters.
- Demo Workplace update: Drag & drop, right mouse button, etc.
- Support for embedding native controls. You may not like this for various reasons, but it's some kind of fact: from your client processing you need to sometimes embed native components. Two components are supported with this new version: (1) a BROWSER component, which natively embeds the available browser into a layout. The browser either is Internet Explorer or Mozilla / Firefox. And (2) a generic ACTIVEX component which allows to embed any ActiveX control and to pass data in and out. A typical use case of using ActiveX is (a) integration of subsystems (e.g. card readers etc.) and (b) integration of other Windows programs, e.g. in the area of office applications.

Beta Nov 12, 2007

- Much better exception management within the client, both for exceptions that are caused on server and for exceptions that are caused on client side.
- FIELD, FORMATTEDFIELD, COMBOFIELD now support background painting (BGPAIN attribute) as well. Have a look into the demo within the demo workplace.
- A demo showing how to statically and dynamically build menubars was added to the demo workplace.
- The FOLDABLEPANE was updated from graphics point of view. It now looks really nice. And: there was one bug, when using percentage sizes inside the component.
- IMPORTANT: the COMBOBOX was updated. Up to now it supported the attribute TEXT that kept the value actually maintained inside the COMBOBOX. Now this attribute is called VALUE. In addition COMBOBOXITEM elements now support VALUE and TEXT. You see: all the combo box management now is done based on a separation of value and text. The value is the one that is internally maintained and the text is the one displayed to the user.
- The initial sizing of a COMBOBOX that is loaded on demand now is correct.
- A COMBOBOX demo was added to the demo workplace.

Beta Nov 09, 2007

- Wrong starter page was internally selected for tools. The starter page that is called is editor/tools.jsp, not editor/project.jsp). Update of corresponding batch files and html pages.
- Attribute section of layout editor now support F4-popup window. Also giving some explanation on the attributes.
- Performance was not "top level" with big pages (>200 controls inside one page), some repaints too much...

Beta Nov 05, 2007

- This is the first beta!

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