Release Notes

Version 3.1.4

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Introduction

The release notes provide an overview of what's new and what has changed between Backbase versions 3.1.1 and 3.1.4. For detailed information on the new and changed functionality, refer to the Manual and BXML Reference PDFs.

Directory Change

The directory structure of the BPC has changed from `Backbase/3_1_1` to `Backbase/3_1_4`. You must therefore change the location specified for the `boot.js` in your start-up file to, for example:

```
<script type="text/javascript" src="/Backbase/3_1_4/bpc/boot.js" ></script>
```

What's New in the BXML Language

The following table describes what's new in the BXML Language:

BXML	Description
`b:spinner` control	New attribute: `b:loop`.
`b:menubar` control	New attribute: `b:stayopen`.
`b:sidebarbox` control	New attributes: `b:open` and `b:autoclose`.
`b:tilelist` control	New attribute: `b:redraw`.
`b:context` attribute	New attribute for `s:execute`.
`b:preserve-whitespace`	New attribute: set to true to preserve the whitespaces defined in the s:template tag. Set to false to remove whitespaces in textnodes (the default).
`bpc.removeBXMLAttribute(sName, oElm)`	New BPC JavaScript function: removes a BXML attribute `(sName)` from the element `(oElm)`
`bpc.removeBXMLAttribute(sName, oElm)`	New BPC JavaScript function: removes a BXML attribute `(sName)` from the element `(oElm)`
`bpc.addBXMLAttribute(sName, oElm)`	New BPC JavaScript function: adds a BXML attribute `(sName)` from the element `(oElm)`
`bpc.forceDisplay(oElm)`	New BPC JavaScript function: Forces an element to be visible by setting its parent style property to `display: inherit`

BXML	Description
	For calculating a size of an element which is hidden by its a property of its parent (for example the tabbox and deck controls)
`bpc.restoreDisplay(oElm)`	New BPC JavaScript function: Restores the display state to the orignal after a `bpc.forceDisplay`
`declared()`	A Backbase custom function to test whether a Backbase variable has been declared. Returns `true` if the variable has been declared, otherwise false.
`b:separator` (in `b:statusbar`)	Rename of `b:seperator` to `b:separator` due to incorrect spelling.

Starter Kits

The starter kits are demo applications are designed to help you get started developing your BXML application. In this release, the following have been added or signicantly updated:

- Personal Information Manager - new starter kit for managing contacts (requires installation and configuration of MySQL and PHP on your web server)
- RSS Reader - new starter kit that contains installation instructions for deploying a fully-functional RSS Reader application
- Windows - updated application in which you can open and close different windows containing diverse content
- Travel - new starter kit that provides an example of how to build a vacation booking application for travel agencies
- LookOut - new starter kit that provides an example of how to build an email application

The starter kits and corresponding documentation are located respectively in your installation `3_1_4/starterkits` directory and `3_1_4/docs` directory.

Known Issues

The following is a list of known issues in 3.1.4:

- Mozilla does not parse the content in CDATA sections and `<script>` tags correctly when placed inside `<xmp>` tags. It is recommended define CDATA sections and `<script>` outside `<xmp>` tags and include them using the `<s:include>` tag.
- Using the following standard HTML code causes Internet Explorer to take almost 100% CPU and to not respond. Try to avoid these combination of styles. Microsoft have fixed this problem in Internet Explorer 7 Beta 2.

```
<div style="width:100px;">
<div style="position: relative; white-space: nowrap; padding: 1px; ">
<span style="border: 1px solid #000;">This will crash Internet
Explorer</span>
</div>
</div>
```

- Specifying encoding in an <?xml?> declaration doesn't work in IE.

  Solution: Set your server to send the correct headers, for example:

  ```
  header('content-type: application/xml; charset=ISO-8859-1');
  ```

- The `child-lost` event is triggered by the `remove` command before the element is actually removed from its parent, causing a problem for controls that need to redraw when a child is removed because it will redraw on the basis of calculations that still include the removed element.

  Solution: you can wait for the element to be before redrawn by setting `b:async="true"`.

Fixed Issues

The following is a list of issues that have been fixed in 3.1.4:

- Dragging an element that has an `img` doesn't work:

  By default, selecting an image behaves in the same way as selecting normal text; the generic windows clipboard is used, so when start dragging you can drag-and-drop the image outside the browser application. You can prevent this behavior by adding the attribute `b:textselect="false"` on the draggable element containing the image.

- In Visual Studio 2003 code completion doesn't work:

  Code completion does not work inside the BXML `<xmp>` tags because Visual Studio's hardcoded XML Schema does not recognize this tag. To use code completion in Visual Studio 2003, you must either comment out the `<xmp>` tags when coding at development time, or do your coding in an include file that is loaded into your single page interface (that contains `<xmp>` tags).

- Errors in `b:modal` dialog control:

  Use the `open` and `close` events for the `b:modal` control.

- `b:listgrid` can't sort:

  The documentation incorrectly stated that the `b:listgrid` supports sorting

- Improved `s:variable` reference documentation:

  For more information, see the BPC Manual PDF section 9.3 Defining Variables and the BXML Reference PDF.

- Using curly brackets {} in `s:render`:

  For explanation and examples, see the BXML Reference PDF.

- `b:listgrid` `b:url` attribute isn't documented sufficiently:

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For explanation and examples, see the BXML Reference PDF.

- Getting started installation instructions:

  The Getting Started PDF has been updated to include instructions on installing BPC on Linux and in the document root of Apache2 Web server.

- The following problems with forms.xml have been fixed:

  * Using input type password

  * Server-side validation

  * Number and XPath/JS validation

- In Firefox, the cursor does not leave input field when clicking on an element with b:textselect="false"

  The change and blur events were not fired when clicking on an element with b:textselect="false"

- `s:variable` `b:scope` attribute ignored outside event

  When `s:variable` is used outside an event handler, you can specify the scope `global` (the default) or `tag`. Scope local is not possible within the context and will throw an error.

- Load form and `send` command results into variable

  When you load or send a form, you can put the results into a variable, for example `b:destination="$result"`

- Menubar pop-up obscured by `b:datagrid`: when using a window with a `b:menubar` and than a `b:datagrid` right below, when clicking the menu items the pop-up appears behind the `b:datagrid`.

- `b:combobox` control doesn't allow space to be entered in the text editing part

- After loading a Backbase page initially, you need to right-click twice before the (browser's) context-menu pop-up appears.

- `b:datagrid` focus problem

  When the `b:datagrid`'s height is bigger than needed to show all the data, and user clicks on the empty space within the grid beneath the last row, the grid loses focus and clicking, rows or cells has no effect.

- In the Forms starter kit, the close button of the modal window with the form's response at the end needs to be clicked twice before it closes.

- `b:opacity` on `s:fxstyle` tag doesn't work in IE

- `b:delay` attribute for `trigger` command doesn't work

- When a variable is changed using `bpc_setVariable`, the change is not directly reflected in `_vars` variable.

- Additional commands in XML and HTML space

  For more information on commands available for the XML and HTML space, see the BXML Manual section 2.1.4 Event and Commands.

- Use `wmode="transparent"` in `b:flash` control

When using a flash file (swf), all Backbase windows (and debugging tools) are hidden by the flash file. To fix this, set the wmode property of the Flash content to transparent. When this is the case, the Flash content 'listens' to its CSS z-index value.

- `b:datepicker` date is reset when tabbing out of the field.
  When defining a `b:datepicker` control (formatted not to display leading zeros), clicking the control and selecting any date other than the current date, clicking the input field and manually typing a different date. When tabbing out of the field, the date changes to the current system date.
- The `b:combobox` expand button looks ugly if the font size is larger than the default.