

This document details the new features, changes and important fixes within the Hyfinity WebMaker v3.1.2 release, enabling organisations to assess the capabilities of the minor version release. The focus of version 3.1.2 is to increase productivity and further drive towards super-user and designer skill levels.

1. Rich UI Control Features

1.1. Easily Merge Palette and Data Sources

It is now possible to ‘merge or link’ the styling and data source related details together using drag & drop capabilities. This will also mean that the user will not need to visit data binding details or field details for the majority of page requirements.

The merging will allow faster development by allowing the user to design pages using the palette first, and then link fields from data sources, or visa-versa. For example, you can drag on an editable row or paging table and then drag a repeating data structure from a SQL table on to the paging control. This will merge the data constraints, validation and data binding details with the look and feel from the palette. Individual fields can easily be merged in the same manner.

A repeating structure from a data source can be dragged onto a select drop-down list, radio button, or multiple checkbox control. This will automatically setup the lookup details for the dynamic drop-down list without the need to setup data bindings, rules, etc. For example, this makes it very easy to setup a look-up to a database table for a drop-down list.

1.2. Further Rich Palette Widgets

Additional rich composite controls have been added to the standard palette:

- **Collapsible Content** – This control allows a collection of UI components to be added to a page to enable dynamic show/hide of content. This is driven by an anchor/hyperlink that allows different groups to be shown based on a toggle of an image.
The collapsible content composite controls can be nested and operate independently of each other as required. The visibility of the content can also be controlled to start open or closed depending on data returned from services using the conditional styling capabilities.
- **Chart** – This is a simple graphical chart, which is ideal for displaying simple types of comparison data. For example, order values by high level category across geographic regions. The chart control is applied to the page, and it uses a repeating data structure for the data used to render the table. The repeating data can be replaced with data from a SQL table, web service or other repeating structures.
- **Google Map** – This control allows a Google Map to be added to a page, which uses an address field to contain the address that will place a marker on the map. The map is configured to enable StreetView if required. The Map rendering can be altered to point at another field, or a number of individual fields could be concatenated together via the data bindings if required.

1.3. Simpler Drag & Drop Styling

There have been a number of amendments to ensure that the palette styling is more consistent when form controls are added to various group layout structures. The main change has been the introduction of a ‘labelBackground’ container around a label that makes it much more

straightforward to change sizes for labels.

It is much easier to apply widths to a set of labels in a group by applying width value to a labelBackground style of one label in many group structures e.g. grids. This will make it much easier to set widths for various labels for a collection of fields in order to align them for groups of similar fields e.g. a series of questions, fields within grids.

Explicit styles have also been created for each type of label, in case a user wants to use a field type label style on an output field. There are explicit styles for: fieldLabel, groupLabel, fieldsetGroupLabel, repeatLabel (column heading). There are also explicit styles for the label background containers: labelBackground, groupLabelBackground, fieldsetGroupLabelBackground, repeatLabelBackground (column heading).

This will create far greater control for the users in styling content.

There have been further adjustments to the defaults positioning of various groups, so that fields within groups, grids, etc. align more naturally with fields placed in other types of groups. The 'force' option for groups will not now create border lines for table type structures. There are now explicit 'outline' style that can be added to a group container.

2. Studio Usability & Productivity

2.1. Studio – Improved Capabilities and Options

Various enhancements and fixes have been made for the most commonly requested capabilities:

- **WebMaker – Import and Export ZIP Files** – It is now possible to import a project that is contained within a ZIP file on the PC. The Export project option will now create a ZIP file. The existing options to process files within directories are still present.
- **FormMaker – Page Structure Field positioning** – It is now possible to drag fields in a more intuitive manner on to the page canvas before or after any groups or fields. The radio button option at the base of the palette has been removed as it is no longer required. It is also possible to merge field details as described earlier in the document. Please take care as the behaviour is different to previous product versions.
- **FormMaker – Page Structure Right Click Options** – The most common options that are needed for field controls have been added as right-click options: 'Hide if', 'Disable if', 'Switch off Label', etc. This reduces the needs to go to Field Details and Data Bindings Details in many cases.
- **FormMaker – Page Structure Disabling by Group** – It is now possible to set disabling characteristics on a Group rather than all the fields within a Group. The disabling check on a group will then disable all the nested groups and fields. It is possible to the define disabling within disabled groups, but they will override the parent disabling characteristics. This change significantly simplifies the ability to disable an entire page with a single check.
- **FormMaker – Page Structure Visibility Display** – A control on the page canvas will be highlighted with a '(?)' if the field could be hidden/disabled for any reason. This indicates that there are specific data binding requirements.
- **FormMaker – Data Source Dates** – If a date/time field is selected from a data source, it will have the display formats defaulted.
- **FormMaker – Radio Defaults** – The palette defaults have been changed to Yes/No values.

- **FormMaker – Improved Multi-checkbox support** - It is now possible to easily define how multiple checkbox and multiple select controls are mapped to data source fields. There are now options to map to a single field as a comma separated list of selected values, or as a set of individual repeating elements in the XML. The user will not need to setup any instance document fields for data bindings.
- **FormMaker – Error Styling Options** - There are now standard style options for 'errorBackground' that can be applied to a page details to provide highlighting of field backgrounds when errors occur. The default is for red borders to be applied, but a coloured background can easily be applied by editing the styles in the CSS.
- **FormMaker – Validate as you type** – It is now possible to add an on page event if you require 'validate as you type' for a page (see FAQ).
- **FormMaker – & in URLs** – There have been fixes applied to the handling of non escaped characters in URLs such as those used for image or hyperlinks controls.
- **FormMaker – Script Fragments** – There have been fixes to enable un-escaped content to be embedded in the script fragments of on Field Details screen e.g. HTML fragments.
- **FormMaker – Anchor handling** – Various improvements to handling of anchors in similar manner to other controls e.g. disabling capabilities, dynamic URL creation, conditional styling options, etc.
- **FormMaker – Quick Text Editors** – There have been various improvements to ensure that quick text editor can easily be launched for various application map, field detail and data binding needs in order to edit CSS, Javascript files and XML. There should no longer be a need to use an external editor. There have also been improvements to the consistency of the 'pretty print' of content, along with improvements to retaining the current position if the user saves details.
- **FormMaker – Editable Row Control** – Various fixes to editable row controls on partial pages. It is possible to use a number of controls across both the main page and partial pages called. Any dojo related controls e.g. Currency, Filtering Select, will now display and validate in the same manner as all field other controls.
- **FormMaker – Events** – Correct handling for multiple 'set value' actions for events.
- **FormMaker – Studio Browser Support** – Various changes have been implemented to enhance the experience of the studio in Chrome and Safari, in order to obtain a similar experience to Internet Explorer or Firefox.
- **FormMaker – Dojo Version** – The Dojo version has been upgraded to v1.5 to support Filtering Select and Currency Amount capabilities and other capabilities. You can use any of the dojo widgets in a project.
- **FormMaker – JQuery Version** – The paging and charting controls use v1.4.1 of the JQuery primary javascript file.



Hyfinity MVC WebMaker v3.1.2

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3. Product Version Upgrade Considerations

3.1. Automatic Upgrade

Version 3.1.2 will automatically upgrade various project files to the most up to date versions that the product supports. This will mean that any project that is imported during installation or imported after installation, will have various assets replaced or added for that project. The most important files that need to be considered are:

- The Hyfinity demo.css and other palette based css files will be replaced
- The Hyfinity javascript and image files will be replaced
- The Dojo and JQuery directories will be replaced

Note: It is very important that these files are not altered directly in any project, otherwise changes will be lost. Please refer to FAQ for further details of best practice and also how to recover any lost details.

3.2. FAQ Details

For further detailed considerations on how to transition an existing project, please view the following FAQ entry:

<http://www.hyfinity.net/faq/index.php?action=artikel&cat=16&id=75&artlang=en>

'How To' type guidance will be moved to the online system hosted at <http://www.hyfinity.net/faq/>. Examples and scenarios are continuously added outside of WebMaker release cycles. It is possible to setup a RSS feed for new FAQ entry notifications.