

## Bootstrap Layout

Almost all responsive websites use some form of a Bootstrap Row/Column div structure. The difficulty is, Kentico's Rows and Column Web part/widgets render content in Tables (not responsive), using floats, widths, etc.

To incorporate support for Bootstrap (and similar responsive templates), I modified the original Kentico Row and Column web parts to utilize a div structure that function in all Views (Widgets in the Page Editor, Web Parts in the Design Editor, and of course renders the structure for the Live Preview).

### Configuration – Columns

- **Number of Columns** – The # of columns currently. Can be modified in the web part as well as through the “Add Columns” and “Remove Columns” options in the design mode.
- **Column CSS Prepend** – The Size that the column widths will be set to. Can override through each individual Column Additional CSS
- **Container CSS** – This class is appended to the containing div, allowing you to apply CSS classes to all sub columns. Can also use this to add in the “Equal Column Height” css of row-[Size]-equal-height.
- **Allow Design Mode** – Allows user to add/remove columns from the editor.
- **[Nth] Column Size** – Sets the width of each column. Since widths are hard set (ex 1-12), a drop down is used.
- **[Nth] Additional CSS** - Allows you to set additional css classes for that column. This is to allow you to add additional bootstrap classes, such as different column renderings for different sizes, etc.
- **Maximum Columns** – Sets the maximum # of columns allowed.
- **Row CSS** – The class for a row div, used in design modes to render tools properly.
- **Include Containing Row** – If unchecked, will not add the row around the columns.

### Installation

To Import the Web part/Widgets, follow these instructions:

1. Sites -> Import site or objects. Upload the BootstrapLayout.zip and hit next.
2. **Ensure “Import Files (recommended) is checked, along with “Import code files”**
3. **Ensure under All Objects -> Global Objects -> Development, that all items are selected (web part, widgets, css)**
4. If needed, assign the Widgets, Page Layouts (# column - # - #), Bootstrap Templates (# column - # #) and CSS to the current site.

To Install Bootstrap on your site (required for layout to render), please follow these instructions:

1. In the bootstrap.zip...
  - a. Extract and upload the bootstrap.js to the JavaScript folder.
  - b. Extract the Fonts into the Media Library, and adjust the CSS Style sheet Bootstrap-3.x.x to point to them.
2. Add the JavaScript and Bootstrap CSS style sheets (Bootstrap-3.x.x, Bootstrap-Theme, Bootstrap-Helper) onto the page or to the Master Template

### Column Initial Width

When adding columns to your layout, if no column width is set in the widget/web part configuration, it defaults to the full width. This may be confusing as you add columns and they look like ‘rows’ initially. Simply add your columns (say 3), then edit widget/web part and set the Column Widths. Upon update they will resize and properly align themselves.

### Bootstrap Helper CSS

Included in the CSS classes is a small Bootstrap-Helper class. This contains some CSS for the restriction of Images/Tables to not expand beyond their containers, for the Blue color overlay in Edit/Design modes, spacing for widgets in the

bootstrap zones on Edit Mode, and for the Equal Heights style that allows you to set Columns in a row to be the same height as their siblings.

### Bootstrap General Templates (New in 9.0)

Included with this installation package are 6 Bootstrap Page Layouts, and 6 General Templates. These are designed in such a way that you can change a page's template from one format to another and the content will place itself properly (the Widget Zones and Web Part Zones have matching IDs). Please feel free to use these as you wish.

### Using non-bootstrap themes

If you are using a Row-column theme that is not bootstrap, please be sure to simply adjust the Row CSS and Column CSS Prepend in the Web Parts to match what system you are using. Not both the Row and Column Web parts reference both row and column css class. You will need to alter the Widgets as well then to have the new changes.

Any Questions or bugs, please contact [tfayas@avastonetech.com](mailto:tfayas@avastonetech.com)