

DynamicTable Component
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About this Component

The DynamicTable component is designed to display a dynamic HTML table that can be dropped onto almost any page with any given table layout and content. The table layout and content is all DCR driven. This allows for the end user to have several different tables and models with only a single component. To make use of this component all that is required is knowledge of the desired table layout and data along a little knowledge of HTML and CSS to create the DCR.

	Name ↑	Date	Size
	Licensing.doc	2008-11-13 16:20	657
	My Document 1.doc	2005-11-13 16:00	5
	My Document 2.pdf	2005-12-13 16:00	4809
α	My Document.ppt	2005-11-14 14:20	12456
ψ	Policies.doc	2003-08-01 11:10	3134
π	Presentation.ppt	2008-11-13 13:20	4555
θ	Revised Policies.pdf	2006-11-13 16:20	6746
ω	Sample Document 1.txt	2008-12-12 13:00	4096
α	Sample Document 2.txt	2008-12-10 13:00	1024
	Sample Document 3.txt	2008-11-06 14:20	5555

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Figure 1) Dynamic Table Output

Features:

- Dynamic HTML Table driven via DCRs
- Configurable header labels
- Font and background colors for headers and rows driven via DCR
- Configurable table data
- Sortable columns in runtime
- Tooltips on headers
- Pagination (display of “Prev” and “Next” arrows) with configurable page sizes in runtime. When the table has ten or more pages it will offer a skip box on the paging controls in the lower left.

Technical Information

This component utilizes the following code items:

1. DynamicTable datacapture.cfg
2. Javascript – include on the page where the component appears
 - a. date_format.js
 - b. table.js

- c. tooltip.js
- 3. DynamicTable.component (dynamic)
- 4. JARs – copy from the toolkit into the `${livesite-home}/runtime/web/WEB-INF/lib` directory where `${livesite-home}` is the installation directory of your LiveSite runtime environment.
 - a. dynamictable.jar
 - b. antlr-2.7.7.jar
 - c. stringtemplate.jar

Customization Instructions

The DynamicTable component has a single entry field for business users to browse for and select a DynamicTableDCR that will be used to determine the table layout and data. .

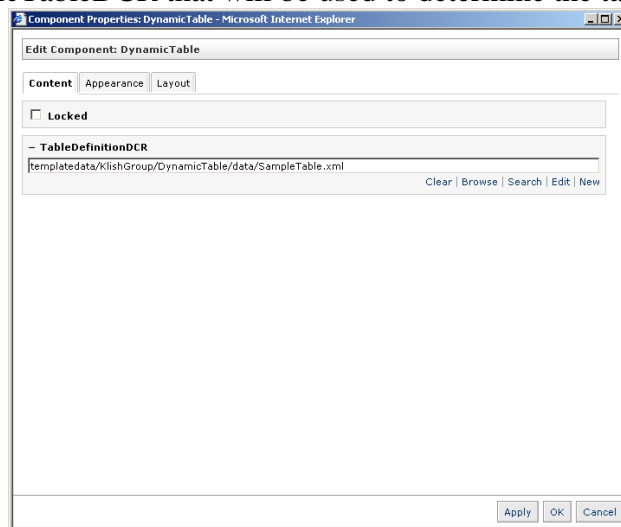


Figure 2) Component Properties Popup

The table layout is driven completely from the user selections in a DynamicTable DCR. The Dynamic Table DCT is composed of three sections:

1. Global table properties
2. Column definitions
3. Data Content

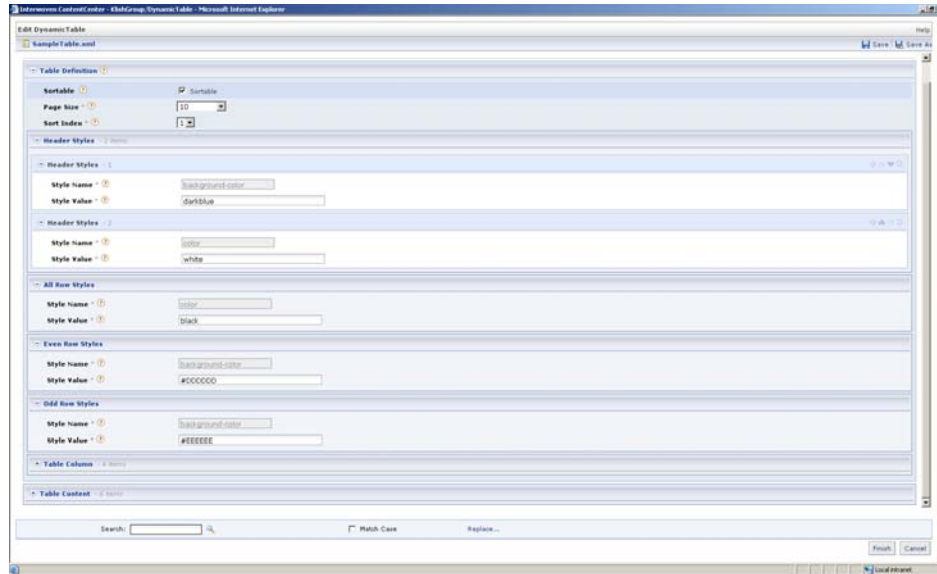


Figure 3) Global Table Properties

The global table properties section contains the following fields that control the overall function of the table:

1. Sortable – (optional) checkbox that determines if the sorting is enabled for the entire table.
2. Page Size - (required) select drop-down list containing various page sizes for the table including an option to turn paging off.
3. Sort Index – (required) select drop-down list containing column indices that determine which column the table is initially sorted by.

The “Header Styles”, “All Row Styles”, “Even Row Styles” and “Odd Row Styles” containers contain fields to control the background and font color of parts of the table:

1. Style Name – (required) “background-color” or “color” can be selected
2. Style Value – (required) color name (ie black or white) or HEX color can be entered (ie #DDDDDD or #EEEEEE) to set the values of the corresponding “Style Name”.

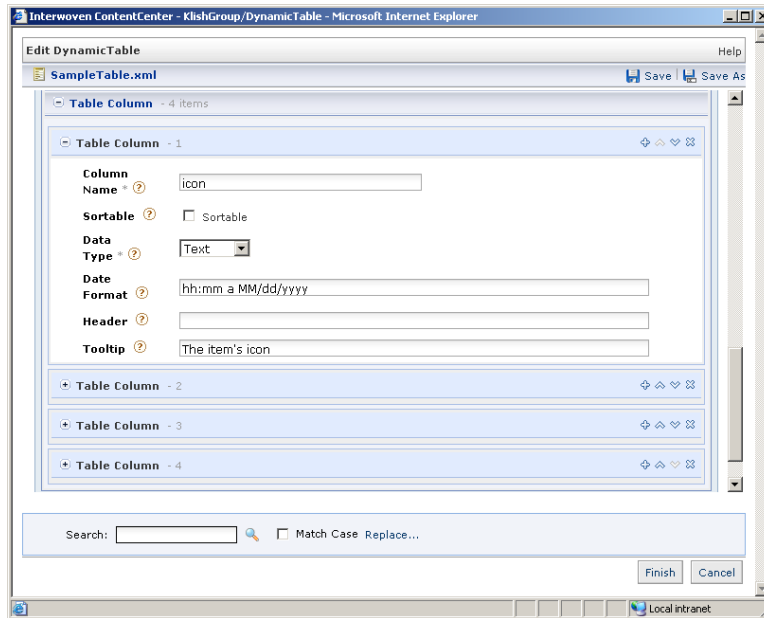


Figure 4) Column Definitions

The Column Definition section contains all of the information that defines a column in the table. The "Table Column" section is a replicant container that defines a single column in the table and consists of the following fields:

1. Column Name - (required) how the table internally references the column.
2. Sortable – (optional) check box that determines if this column can be sorted by a web site user, if the global option is not checked then this option is ignored.
3. Data Type - (required) select drop-down tells the table how to treat content data items for this column:
 - Text – displayed as general text
 - Numeric - displayed as numerical values
 - Date – displayed as date-time. When selected enables the "Date Format" Field
4. Date Format – (optional) contains the formatting of the content data date-time values. A pattern character reference can be found in the documentation for `java.text.SimpleDateFormat` located at: <http://java.sun.com/javase/6/docs/api/java/text/SimpleDateFormat.html>. The date format field is only used in conjunction with the Date data type; in all other cases it is ignored.
5. Header - (optional)_text field that contains the actual content displayed in the header of the column.
6. Tooltip – (optional) contains the content that is displayed in the tooltip.

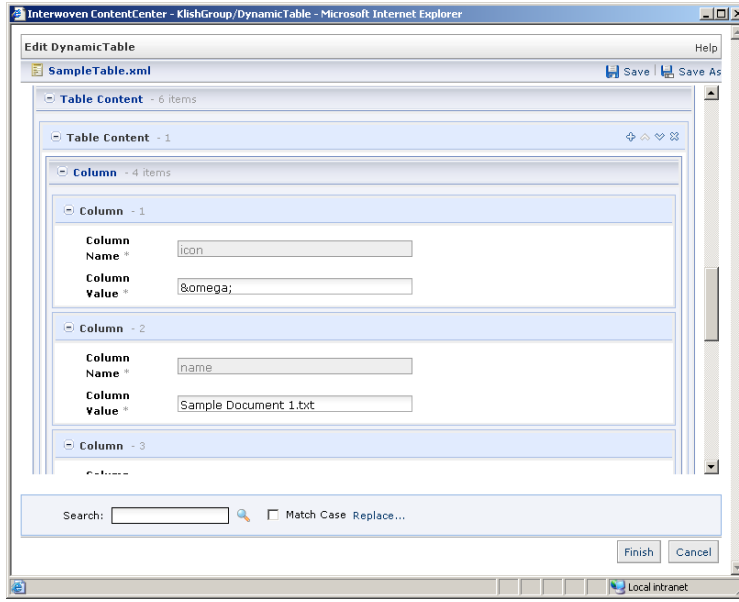


Figure 5) Content Data Section

The data content section contains a second replicant that defines a single row in the table. Each replicant contains a set of non-modifiable replicant column definitions. The column definitions match the name and location of how the columns are defined above in the column definition section. Each entry has a modifiable text field where the desired data content should be entered for that row and column location. The columns are automatically added, deleted, or moved in accordance with the column definition section. It should be noted that the content entry must match the data type defined for the column in the column definition otherwise errors may occur when the component displays the information.