



Dynamic Sort v2.0



Dynamic Sort Introduction

Dynamic Sort plugin for Xcelsius® 2008 provides robust ranking and sorting capabilities for business intelligence dashboards. Designed to fulfill all sorting requirements within Xcelsius, Dynamic Sort effortlessly sorts large volumes of data by one or multiple columns.

The Dynamic Sort component can be displayed on the canvas as an icon or hidden logical object, both allowing an end user to toggle between ascending and descending order. The sort component's logic evaluates a data range that is sorted by one or multiple columns. The sort columns can be identified as a static or dynamic values that can change during runtime. This combination of a dynamic sort by column with triggering behaviors provides a wide range of configurations for dashboard designers to implement.

More Information

If you have any questions about this document please contact Centigon Solutions support at:

support@centigonsolutions.com

<http://centigonsolutions.com/support.html>

For more information, documentation, or templates for Dynamic Sort, visit the website at <http://www.centigonsolutions.com/components/dynamicsort.html>

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Install Requirements

Client Requirements

Xcelsius 2008 Service Pack 1 and Greater
Adobe Flash player 9 and higher

Install Disk Space

2 MB

Upgrading from Version 1.X

Following an upgrade from version 1.x to 2.0, any dashboard containing a legacy version of Dynamic Sort (1.x) will NOT retain its bindings. The backwards compatibility between versions are due to significant enhancements to the component property structure. For more information about migration, please contact support@centigonsolutions.com.

Dynamic Sort V2.0 features enhanced properties for multi-column sorting. To ensure minimal design issues when opening a dashboard containing Dynamic Sort 1.x, Dynamic Sort V2.0 eliminate will purge your existing Dynamic Sort bindings.

For any additional questions about upgrading and migration, feel free to contact Centigon Solutions support at:

support@centigonsolutions.com

Install Directions

1. Open Xcelsius 2008 Service Pack 1 or higher.
2. Click File>Manage Add-Ons
3. Click on Install Add-On.
4. Navigate and to the downloaded DynamicSort.xlsx file.
5. Close the Add-On Manager
- 6.Re-open Xcelsius 2008 to access Dynamic Sort in the Other folder.

Properties Sheet Overview

General Tab

Source Data- Source data that is sorted based as a vertical table, based on Dynamic Sort properties.

Sort Option- Choose between sorting the Source Data in place or inserting the sorted data into a Destination Range.

Note: Source Data containing formulas should always be sorted to a destination rather than sorting the source data

Destination- The destination range where sorted data is inserted. Destination range is only enabled when the Sort Option is set to “Sort to Destination Range.”

Sort by Column(s)- Sort one or multiple columns of data using numeric values to identify column indexes. When a Sort by Column changes, the data source will re-sort based on the column number(s). A Sort by Column with the value of “1” represents the left most column of the Source Data.

Multiple sort columns are defined by binding one or multiple cells containing numeric values. The order for which values are defined in the sort column range dictates the sort order.

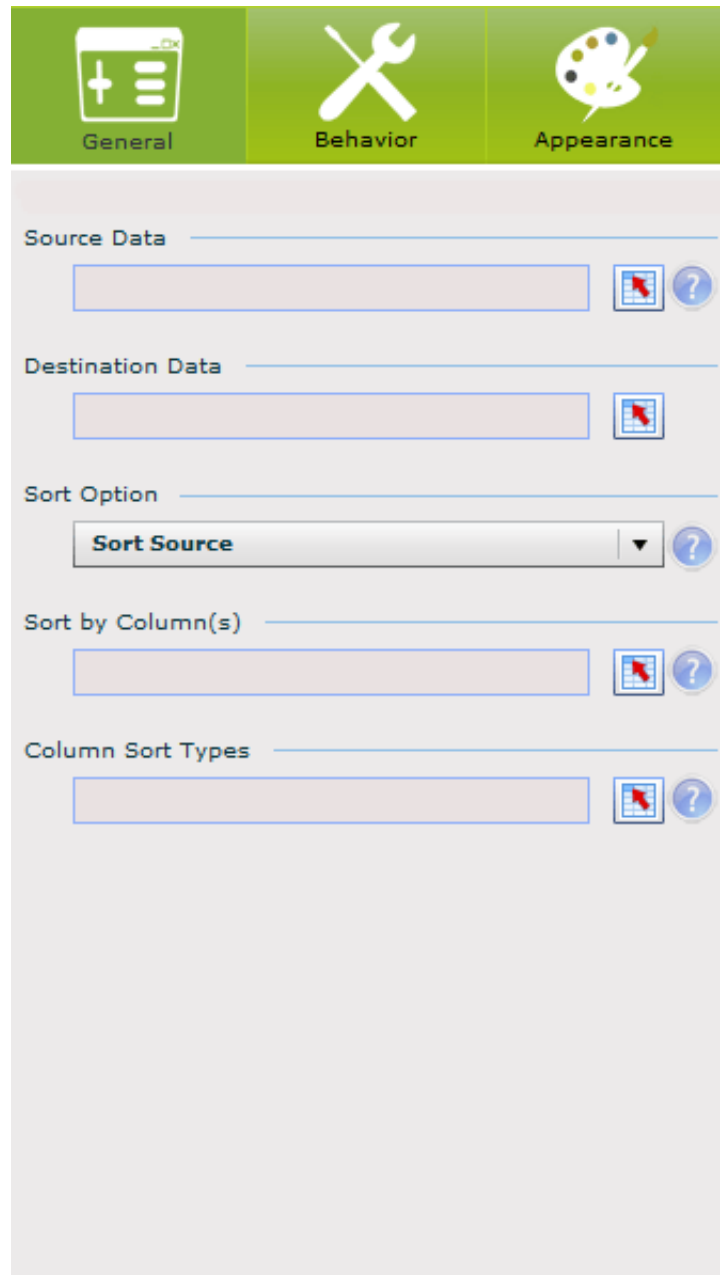
Example: In the example below, the Sort Column property is bound to a range containing the values 1 and 3. This indicates that dynamic sort will first sort by column 1 and then column 2.

Sort Col			
1			
3			

Region	State	Sales
US	East	220
US	West	430
US	North	650
EMEA	EMEA	340

1	2	3
Region	State	Sales
EMEA	North	340
US	East	220
US	West	430
US	North	650

When binding multiple cells to the Sort Column property, using the sort icon for toggling ascending and descending order will only affect the first defined sort column.



Properties Sheet Overview

General Tab (continued)

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Column Sort Type(s)- Toggle between ascending and descending order for each Sort Column value. The following should be defined within the Column Sort Types property:

Ascending = "0" or "ascending"

Descending = "1" or "descending"

Changing the Sort type during runtime will re-sort the entire data range.

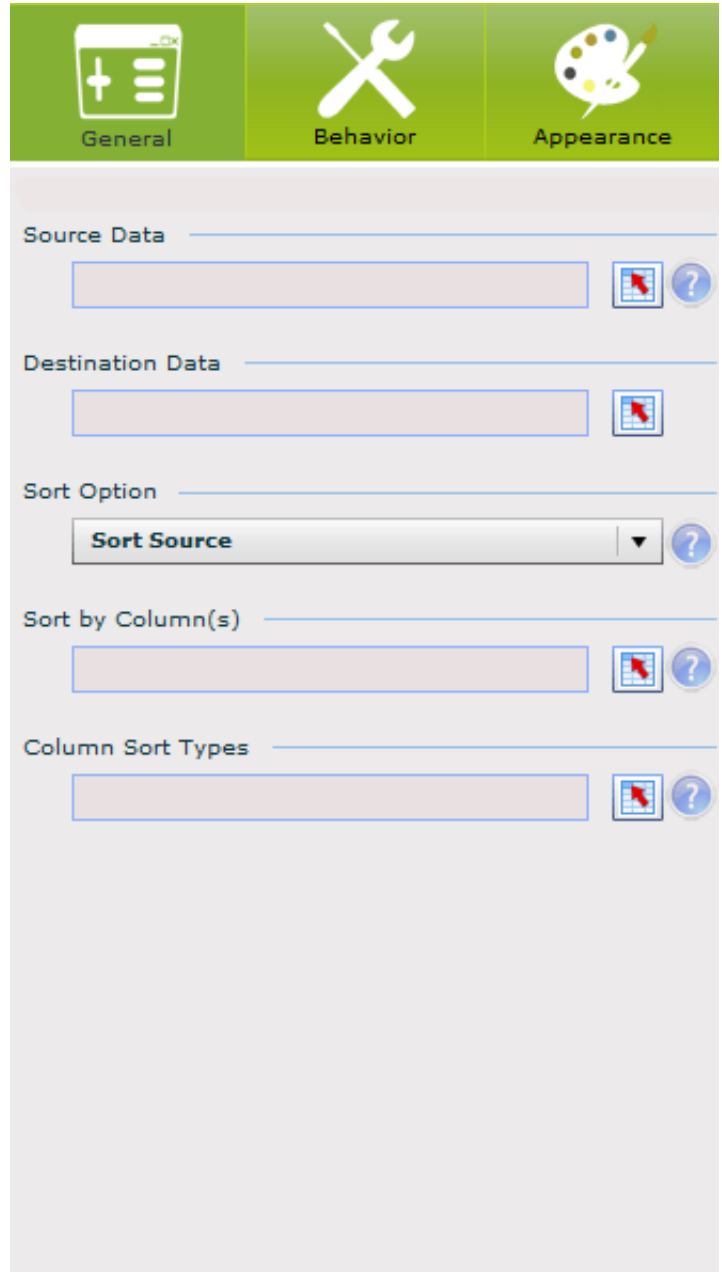
Note: The default value for an undefined Column Sort Type is ascending.

Example: In the example below, the Sort Columns are 1 and 3. The 2 value range identifies column 1 as ascending and column 3 as descending. The Dynamic Sort component will sort the data according to these definitions and output the sorted data correctly.

Sort Col	Sort Type
1	0
3	1

Region	State	Sales
US	East	220
US	West	430
US	North	650
EMEA	EMEA	340

Region	State	Sales
EMEA	EMEA	340
US	North	650
US	West	430
US	East	220



Properties Sheet Overview

Behavior

Ignore End Blanks in Data- Ignore end blanks will exclude blank cells at the end of the source data range from being included as part of the sort. Without Ignore End Blanks enabled, blank cells are populated at the beginning or end of the source data range depending on the sort order.

Re-sort when Data Source Changes- Trigger the sort component anytime source data or column index changes. This trigger behavior provides granular control when data is re-sorted.

Dynamic Visibility- Dynamic Visibility will enable Dynamic Visibility to show or hide with the dashboard.

Status- Status lets you select a cell in the embedded spreadsheet to control the visibility of the component. If the value in the Status cell equals the value of the Key, the component will be displayed.

Note: Do not link Status to a cell or range of cells that are already linked within the same component (for example, Data ranges). The overlap will cause those data sources in the component to not refresh if changed dynamically.

Key-Key lets you specify the value that the Status must match for the component to become visible. Enter the value in the box or use the cell selector to bind the value to a cell in the embedded spreadsheet.

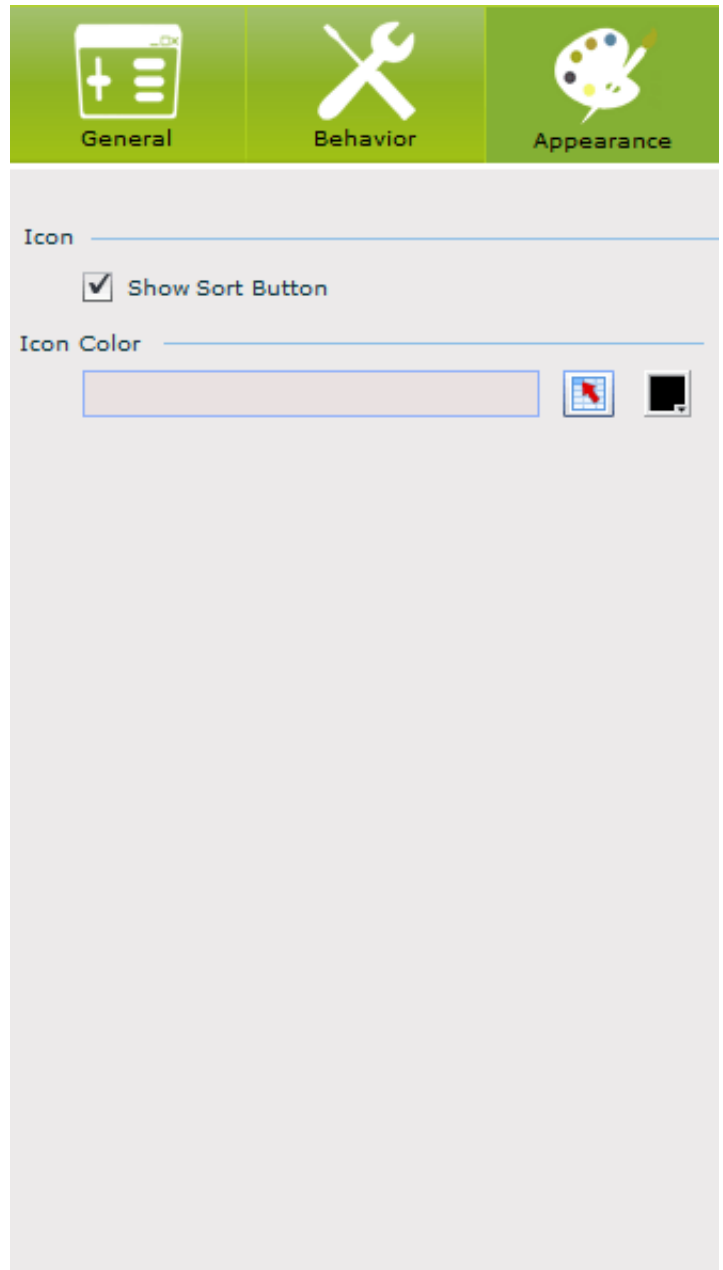
The screenshot shows the 'Behavior' tab of a properties sheet. At the top, there are three tabs: 'General' (with a plus icon), 'Behavior' (with a wrench and screwdriver icon), and 'Appearance' (with a paint palette icon). The 'Behavior' tab is active. Below the tabs, there are two sections: 'Data Source' and 'Dynamic Visibility'. The 'Data Source' section has two checkboxes: 'Ignore End Blanks' (unchecked) and 'Re-sort Data When Data Source Changes' (checked). The 'Dynamic Visibility' section has a heading 'Show component only if status matches key:' followed by two input fields. The first field is labeled 'Status' and the second is labeled 'Key'. Both fields have a cell selector icon (a small spreadsheet with a red arrow) to the right of the input box.

Properties Sheet Overview

Appearance

Show Sort Button- Hide the sort component in scenarios where dashboard users do not toggle between ascending and descending order by de-selecting this option.

Icon Color- Modify the icon color using a color picker or bind, the color using a hexadecimal color definition.



Properties Sheet Overview

Information Tab

*All elements on the Information tab require an internet connection.

Jumpstart Video- Jumpstart your usage of this component using a quick demonstration video.

Documentation- Download and view PDF product documentation.

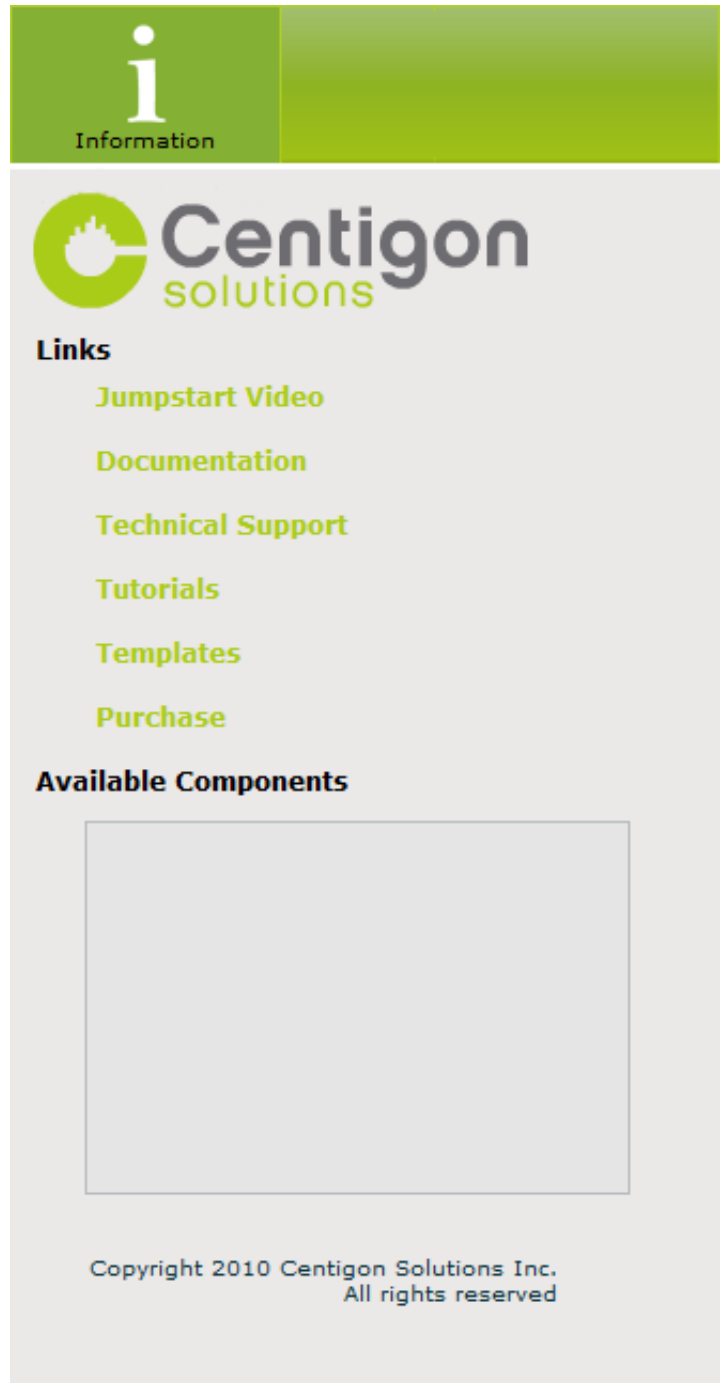
Technical Support- Contact support or login to Centigon Solutions customer portal:
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Tutorials: Online tutorials, articles, and white papers for all Centigon Solutions products:
<http://centigonsolutions.com/tutorials.html>

Templates- Download free templates using Centigon Solutions components.

Purchase- Purchase copies of this component directly from Centigon Solutions web store.

Available Components- A real time list of all available components from Centigon Solutions. Selecting any component from the list box will launch a browser that navigates to component specific information.



The image shows a UI mockup for the 'Information' tab. At the top, there is a green header bar with a white lowercase 'i' icon and the word 'Information' below it. Below the header is the Centigon Solutions logo, which consists of a green circular icon with a white gear-like shape inside, followed by the text 'Centigon solutions' in a dark grey font. Underneath the logo is a section titled 'Links' in bold black text. This section contains a list of links: 'Jumpstart Video', 'Documentation', 'Technical Support', 'Tutorials', 'Templates', and 'Purchase', all in green text. Below the links is a section titled 'Available Components' in bold black text, followed by a large, empty rectangular box with a thin grey border. At the bottom of the mockup, there is a copyright notice: 'Copyright 2010 Centigon Solutions Inc. All rights reserved'.