



Components for Xcelsius

Inovista Micro Components for Xcelsius

For the July 2010 update, a range of new features have been added to the Micro Charts and the Tree and Data Grid components. Additionally, a number of bugs have been repaired.

This document also contains details of previous upgrades following the first section.

IMPORTANT: If you have any old versions of Inovista products installed in Xcelsius, please download a new version of each xlx file and re-install. The underlying libraries have been changed and may clash in Xcelsius.

Micro Charts & Grids

Updates

July 2010

	Male <40	Female <40	Male >40	Female >40	All	12 Mn Purchases (Last Year red)	Status	Total Responses
▼ 1	Are your overall impressions of Acme Snack Rolls positive? (%agreed)							
North	83.7%	94.2%	55.5%	93.3%	81.7%		★★	405
South	84.0%	84.5%	89.4%	37.1%	73.8%		★	856
▼ 2	Are your overall impressions of Acme Pizza Style Chips positive? (%agreed)							
North	18.9%	50.4%	77.2%	99.1%	61.4%		★	1,358
South	47.1%	17.2%	77.8%	29.4%	42.9%		⚠	109
Central	13.3%	25.3%	9.7%	33.0%	20.3%		⚠	897

A Tree Grid Displaying a Fixed Tree Column, non Truncated Text and Text Number Measure Bars

Location	EGZ(%)	RPH (8 mnths)	EPI Index	
Montgomery	23.7%			
▼ Alaska	63.4%			
Juneau	57.6%			

A Tree Grid Making use of Shape Indicator Http Images

The main enhancements as of July 2010 are as follows:

Tree and Data Grid Performance in Xcelsius

When editing Tree and Data Grids in Xcelsius, the performance has been greatly improved. An update button has been added to the 'Chart Columns' tab. Edits are not incorporated into the grid until the update button is clicked.

Only the column is updated and not the whole grid when editing individual column properties in the 'Columns' tab.

One Time Font Editing for Text Number Columns in the Tree and Data Grids

In the Grids, all Text Number Indicator columns now have a 'Use Default Styles' option.

This is selected by default.

Within the grids, when using the Text Number Indicator default styles option, a 'Text/Num Style' tab has been added to the Appearance tab. This will set/reset the text styles for all columns containing a Text Number Indicator if its 'Use Default Styles' option is selected.

Left Column Locking

It is now possible to lock the left column in the Tree and Data grids and set up scrolling for all the other columns. When scrolled horizontally, the left column always remains in place.

Tree Node Line Breaks

The nodes in the Tree Grid can now contain multiple lines.

Tree Node Searches

A 'Search Node Text' option is now available for the Tree Grid. By sending a spreadsheet cell value into this property, the tree will scroll to the first location of the text value. The value is case-insensitive and can be in any part of the node text.

Hide Grid Columns at Run Time

Grid columns can be shown or hidden at runtime. This can be defined in the 'Column Visibility' section of the 'Behavior/Click Visibility' tab.

Ignore Leading and Trailing Blanks

The Micro Charts, where relevant, now have an option to remove data at the beginning and end of the range of values. This is done by selecting the 'Remove Begin/End Blanks' option. Blank data at the beginning and end of the series values will be ignored and the chart plotted as if these values were not included.

Text Number Indicator Text Truncation

The Text Number Indicator charts now have the option to turn on or off the truncation of text in data and tree grids. This may be useful, for example, in a grid where a designer would like the text to run over multiple columns. This assumes, of course, that the other columns in that row have blank component values.

Text Number Indicator Measure Bars

A Measure Bar option has been added to the Text Number Indicator charts. This allows the creation of a single bar chart type component with a textual value placed on top of the bar. The Measure Bar is defined in the 'General/Measure Bar' tab. The measure bar is plotted using the Value property (Chart Data in grids) as the value of the bar, the minimum and maximum numeric values in the range for the start and end of the bar. It displays the view value (Text Value in grids) as the text on top of the bar. Generally, the 'Value' and 'Text' properties will be the same.

Spreadsheet Driven Color Property Editors

Many of the major color selection Micro Chart properties now provide the option of selecting from a spreadsheet cell.

Component Scaling

The grids and charts now have a 'Scale' option. This means charts and grids can be resized at runtime. Note that currently, text will pixelate on scaling. This will be fixed in a future release.

HTTP Served Images in the Shape Indicator

When used in the grids, the Shape Indicator now allows the use of images called from an http server. This means the shape can be used as a picture column in both the Tree and Data grids.

Grid Performance in Xcelsius

Many aspects of Data and Tree Grid performance have been radically improved.

	Chart Type	Header Text <i>Use '\n' for <CR></i>	Axis Header	Legend Footer	Width Ratio
1	TextNumberIndicatorChart		<input type="checkbox"/>	<input type="checkbox"/>	15
2	TextNumberIndicatorChart	Male\n<40	<input type="checkbox"/>	<input type="checkbox"/>	40
3	TextNumberIndicatorChart	Female\n<40	<input type="checkbox"/>	<input type="checkbox"/>	40
4	TextNumberIndicatorChart	Male\n>40	<input type="checkbox"/>	<input type="checkbox"/>	40

Only Update the Grid on Clicking the 'Update Blue Columns' Button

Left Column Locking in Grids

In the 'Behavior' tab, you can now define left column locking and horizontal scrolling.

	Female <40	Male >40	Female >40	All	12 Mn Purchases (Last Year red)	Status	Total Responses	Male Resp
▼ 1								
North	94.2%	55.5%	93.3%	81.7%		★★	405	162
South	84.5%	89.4%	37.1%	73.8%		★	856	428
▼ 2								

Column Locking and Horizontal Scrolling in Grids

One Time Text Number Font Editing

Edit Column: 1 Type: TextNumberIndicat...

General Appearance

Chart Ranges Measure Bar

Text Type **text**

Use Html

Truncate Text

Add '%' to Text

Use Range Colors

Decs Precision

Number Format **123,456.00**

Use Default Styles

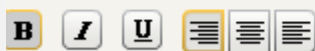
In the Text Number property editor, select 'Use Default Styles'

Chart Grid Gridlines and Border Column Headers **Text/Num Style**

Set default styles for Text Number Indicator columns. Note, this is only where 'Default Style' is selected on the TextNumberIndicator Column.

Format Text

Arial



Text Color



Then all selected Text Number Indicator font styles are then edited from a single tab

Multiple Lines in Tree Grid Nodes

	Male <40	Female <40	Male >40	Female >40	All	12 Mn Purchases (Last Year red)
▼ 1	Are your overall impressions of Acme Snack Rolls positive? (%agreed)					
North Region inc. Saarland	83.7%	94.2%	55.5%	93.3%	81.7%	
South Region excl. Saarland	84.0%	84.5%	89.4%	37.1%	73.8%	

Tree Grid Node Searches

Using the ‘Search Node Text’ in the ‘Tree Column’ tab, you can now search Tree Grid nodes for text. On finding the textual item, the tree will scroll to that row.

The screenshot shows a search interface with a search box containing 'Pinang'. Below the search box, a table displays search results for three locations:

Location	Percentage	RPH (8 mnths)	EPI Index	Image
Pangkalpinang	12.0%			
► Bengkulu	56.0%			
► Lampung	7.1%			

Locating the text ‘Pinang’ in a Large Tree Grid

Hide Columns at Run Time

In the grids, you can use a spreadsheet range to define whether or not a column is visible.

Column Visibility

To show/hide columns, select the test visibility checkbox. Then select a range in the spreadsheet, one cell for each column. If the value in a cell does not match the status value, the column will be hidden.

Test Col Visibility

Column Values

Column Key

Define Column Visibility

	Male <40	Female <40	Male >40	Female >40	All	12 Mn Purchases (Last Year red)	Status	Total Responses
▼ 1	Are your overall impressions of Acme Snack Rolls positive? (%agreed)							
North Region	83.7%	94.2%	55.5%	93.3%	.		★★	405
South Region	84.0%	84.5%	89.4%	37.1%	.		★	856

HIDE/SHOW:

Col 2

Col 7

Column 7 Visible

	Male <40	Female <40	Male >40	Female >40	All	Status	Total Responses	Male Responses	Female Responses
▼ 1	Are your overall impressions of Acme Snack Rolls positive? (%agreed)								
North Region	83.7%	94.2%	55.5%	93.3%	.	★★	405	162	243
South Region	84.0%	84.5%	89.4%	37.1%	.	★	856	428	428
▼ 2	Are your overall impressions of Acme Pizza Style Chips positive? (%agreed)								

HIDE/SHOW:

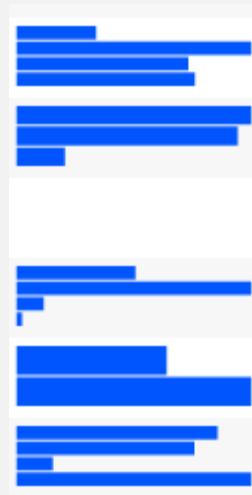
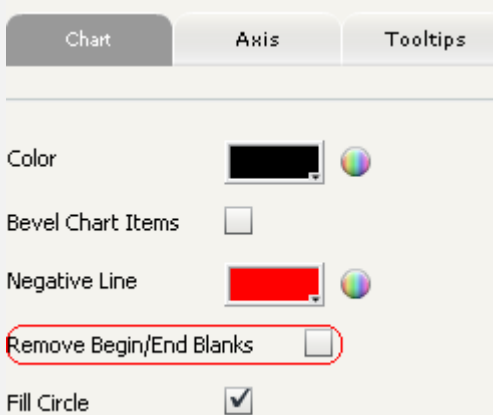
Col 2

Col 7

Column 7 Hidden

Ignore Leading and Trailing Blanks in Micro Charts

Up to this point, blank data in the chart ranges was ignored. For example, a blank value in a Bar Chart would leave a blank space where the bar should be. Now, there is an option to completely remove blank data if it is at the beginning or end of the data range. The chart then plots as if those series values did not exist.



Select the 'Remove Begin/End Blanks' property.

Chart Data Automatically Updated

Text Number Truncation in Grids

Deselect the 'Truncate Text' option in the Text Number Indicator. The image below shows an example of a Text Number Indicator in the first column with the 'Truncate Text' option turned off.

Non Truncated Text in Column 1

	Male <40	Female <40	Male >40	Female >40	All	12 Mn Purchases (Last Year red)	Status
▼ 1	Are your overall impressions of Acme Snack Rolls positive? (%agreed)						
North	83.7%	94.2%	55.5%	93.3%	81.7%		★★

Text Number Indicator Measure Bars

Use the Range Editor and the new 'Measure Bar' tab in the Text Number Indicator chart (both as standalone and within the grids) to add single value bar chart type functionality.

Chart Ranges **Measure Bar**

Create Background Measur...

Use Measure Bar

Color

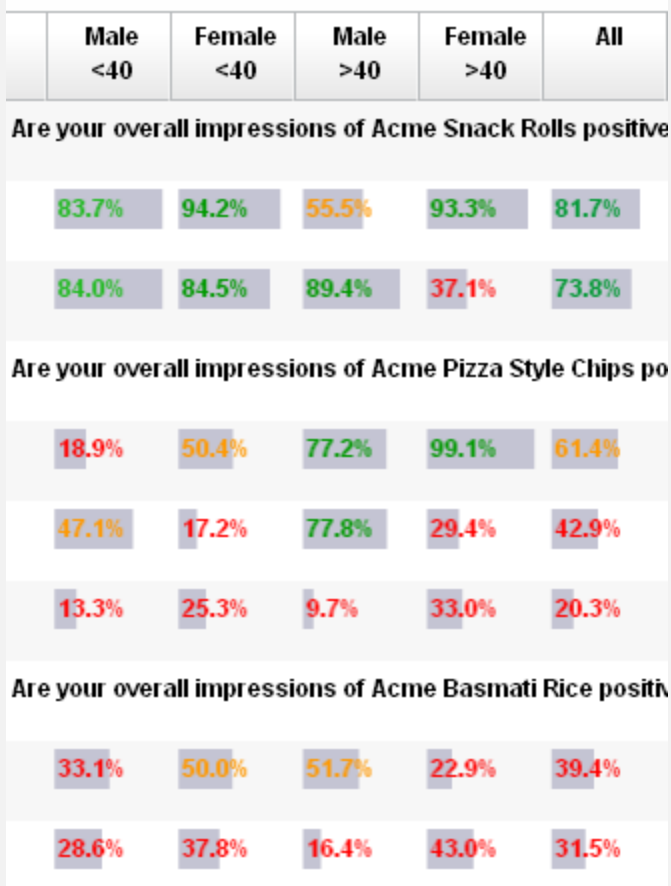
Orientation **horizontal** ▼

Bar Width

Show Border

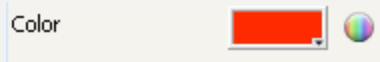
Color

Width

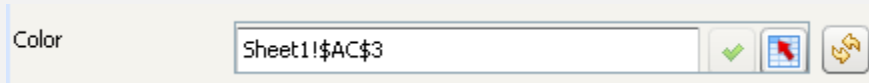


Bound Color Editors

Many of the color property editors for the Micro Charts now offer the option of binding colors to the spreadsheet.



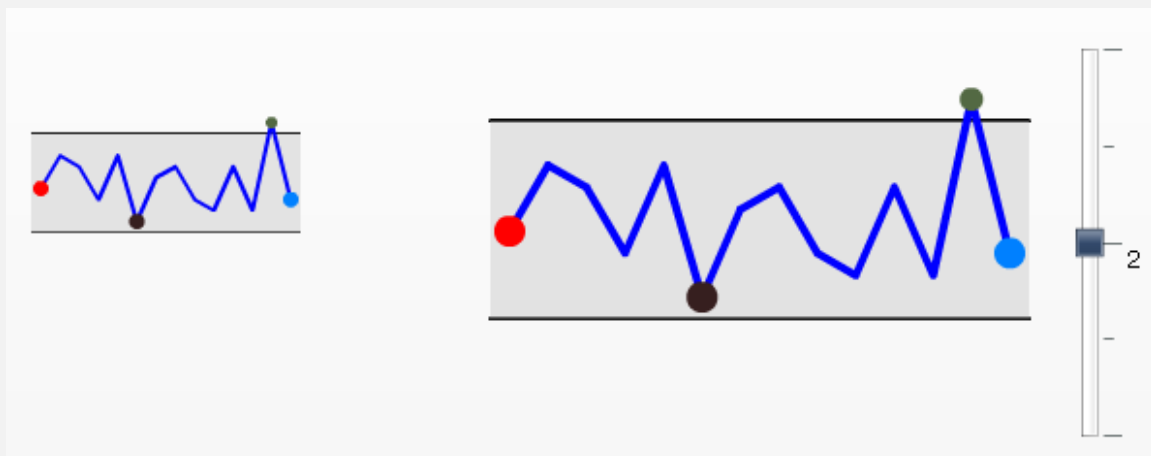
A Standard Color Editor



The Color Editor Toggled to use a Bound Value

Scaling Charts and Grids

All components now have a scale capability. Binding the 'Scale' property to the spreadsheet means that the charts can be re-scaled at run time.



Using Images from a Web Server in the Grids

In the Data and Tree Grids, only, the Shape Indicator chart now has an option to use a image called from a URL. Note that the resulting swf must have secure access to the web server for this option to function correctly.

Edit Column: 10 Type: ShapeIndicatorCh...

General Appearance

Chart Tooltips Shapes Range Bar

Object Width

Object Height

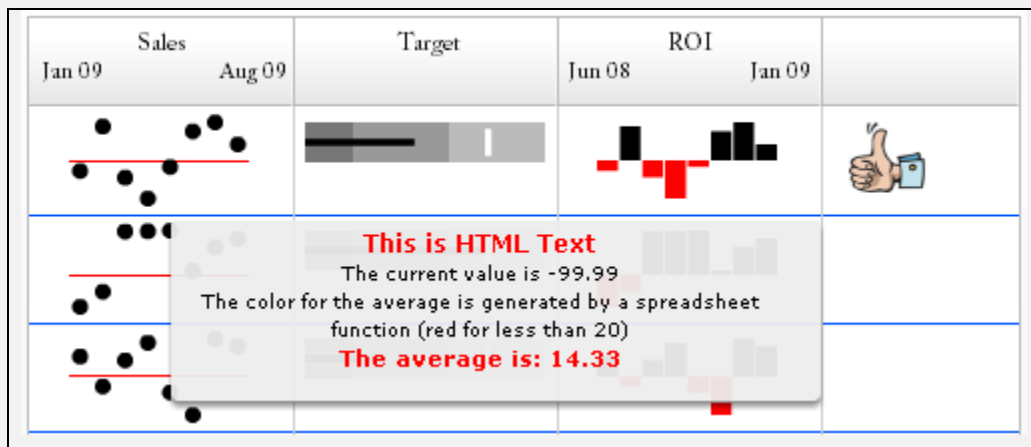
Use Http Image using URL

EPI Index	

Select 'Use Http Image using URL' in the Grid Column property of the Shape Indicator chart.

To create an image column.

Updates May 2010



A Custom Tooltip and External Image in a Grid

The main enhancements are as follows (note that this list also includes features from (11/09) :

Tree Grid

- You can now define the opening indentation level of the Tree Grid. This is done in the 'Tree Column' tab using the 'Opening Indentation' option.
- A node rollover effect has been added. Select the effect (or none) in the 'Tree Column' tab. Use the 'Node Rollover' option.
- It is now possible to define a different background color for each indentation level in a Tree Grid. This is done in a new tab, 'Tree Row Colors'.

Tree and Data Grid Custom Selected Row Color

The selected row in the Data and Tree Grids can now be highlighted. The highlight color can be defined in the 'Appearance/Gridlines and Border' tab.

Chart Auto Scaling

For charts where scaling is relevant, an auto scaling options has been added. On selection the chart will be scaled to maximum value +10% and minimum value -10%.

Simplified High-Low Axis Option

On charts that can show an Axis, there is now an option to only show the high and low values on the axis.

Binding Min and Max Range Data in Grids and Trees

You can now define the minimum and maximum ranges for individual charts in a data grid. This means that each chart in a tree or data grid row can have different maximum and minimum range values.

Binding Dynamic Tool Tip Values in Grids and Trees

Tooltips come with a range of dynamic values which are updated for each individual chart (i.e. \$value, \$target), however, you can now include non-standard custom values by using the 'Bind Tooltips' option in the 'Generic Binding' tab.

Using Alert Data to Create a Variable Reference Line or Second Chart Line

For the Microline, MicroBar, MicroColumn, MicroArea and MicroPlot charts, it is now possible to use the alert or target data to present a secondary line chart or a reference line. This works in both the grids and for individual charts.

External Bind Options

All Inovista products now include an option to export their ID to the spreadsheet so that they can be used in Inovista container products like the *SVG Floating Background*. This means that once the components are added to the container, they can be dragged together, scaled, shown or hidden.

Shape Indicator

- The Shape Indicator now allows the use of up to 5 external 'PNG' images that can be included with each shape component and displayed for a data range.
- The Shape Indicator can be presented as a Range Bar component. This is a component in the form of a bar which represents the full data value range over a period and displays a shape as the current data value. This is useful, for example, to present the current value of a financial commodity against a high and low for the last 12 month period.

Tooltips

- Tooltip functionality has been greatly enhanced. A range of wildcard values that represent chart value (min, max, average, current value etc.) can be included. Custom tooltips can be entered manually or bound from a spreadsheet cell. You can also use HTML text, change the background and transparency.

Value Labels

- Where applicable, you can add values labels to the chart to indicate the chart range, for example a start and end month at each side of the X axis.

Micro100BarChart

- The Micro100BarChart can now be presented vertically in addition to horizontally. You can also add a border around each section.

TextNumberIndicator

- You can add hyperlinks to the TextNumberIndicator.

3D Style Charts

- A Bevel Filter option has been added to most charts to provide a 3D effect to the data items in the chart.

Other Features

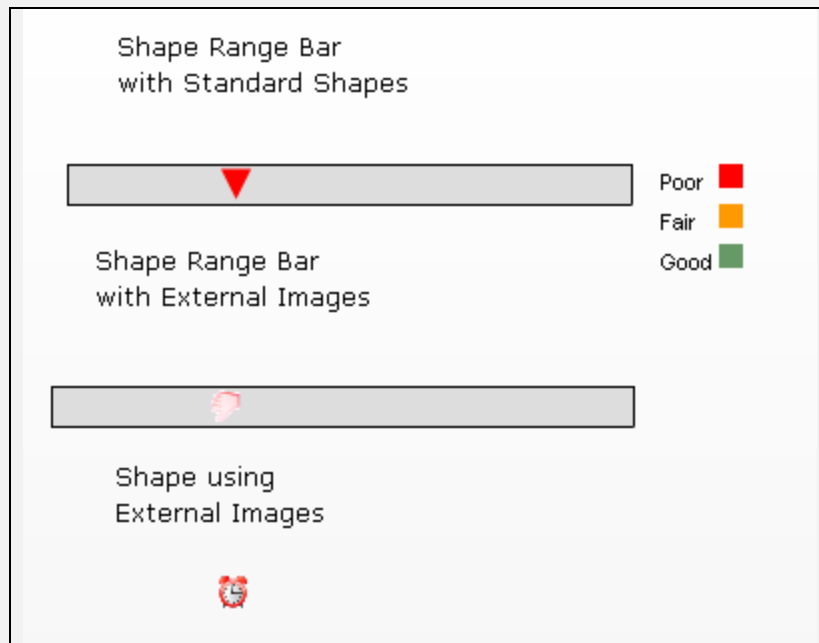
- Line Breaks are now available for Column Headers in the Tree and Data Grid; and the TextNumberIndicator. You can also import line breaks from a spreadsheet cell.
- For charts that accept multiple legends, the legend text can be bound to spreadsheet values.
- The Tree Grid now sorts in a correct fashion sorting only within each hierarchy level.
- The Charts and Grids now offer a mouse rollover facility. Data can be output to the spreadsheet when the user moves the mouse over the chart component or a cell in the Data or Tree Grid.
- Rollover effects are now available for the nodes in the tree selector in the Tree Grid.

The Shape Indicator Enhancements

Range Bar Component

The Shape Indicator can be converted to a Range Bar which shows the current value of a data point against a user defined range, for example, the annual high and low data points. Range Bar property sheet options include:

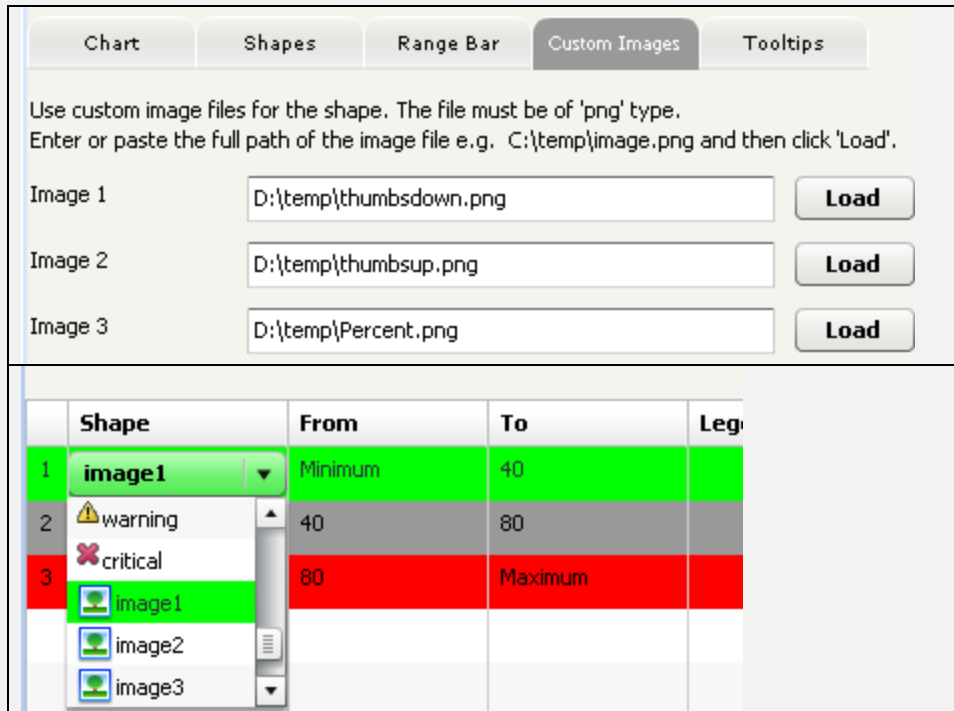
- Range High and Low Points (bound or manually entered)
- Bar width
- Orientation of the bar: vertical or horizontal
- Bar color
- Bar border
- Border color and thickness



Shape Range Bars and External PNG images

External Images

In addition to the current range of shapes and images, you can now import external images to add to Shape component. These images must be of PNG type. Once loaded, they are stored within the exported Xcelsius file and do not need to be accessed via a URL.



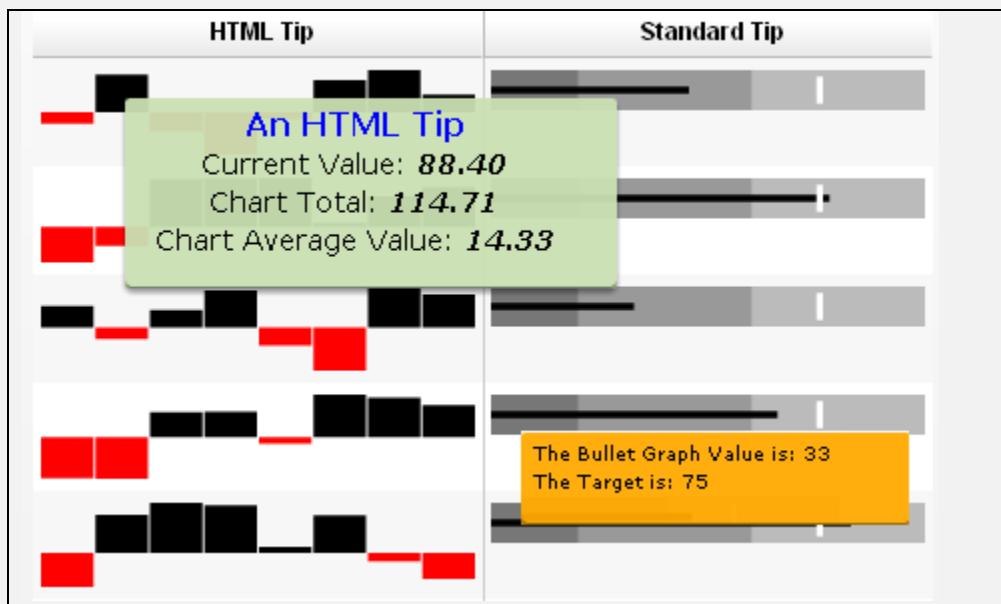
Shape External Image Property Editors

Up to 5 external images can be used per Shape component. There is no size limitation to external images; however, the larger the image, the slower the startup time.

Custom Tooltips

Most components now include a custom tooltip property tab. Custom tooltips are also available for the Grid components, each column in the table or tree grid can display different types of tooltip. Tooltips can be standard or HTML text and can be bound to the spreadsheet or entered manually.

By using wildcard text items in the tooltip definition, you can include values taken from the chart directly under the mouse to create the tooltip text. The available wildcard items will vary from chart to chart, but include the current value; the chart average, maximum, minimum and total; chart ranges, element ranges and target.

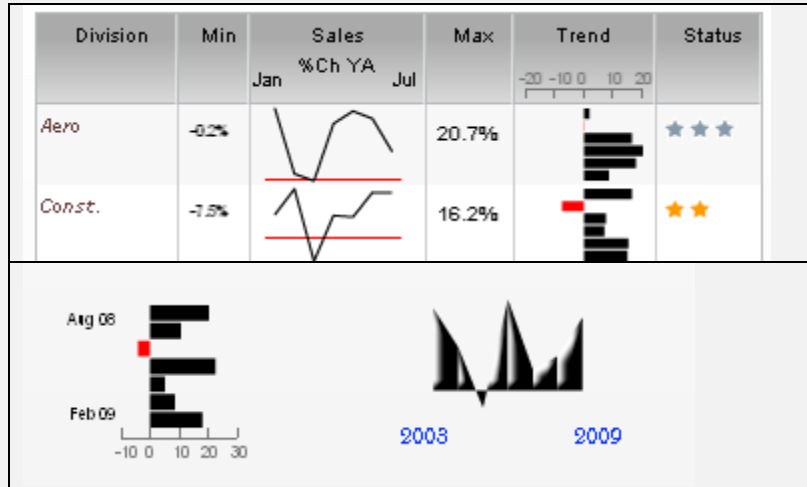


Differing Tooltip styles in a Data Grid

Axis Value Labels

You can now add value labels as well as a standard axis label. These labels may be placed on the x axis in the case of horizontally plotted charts such as the Micro Line or the y axis for Bar Charts.

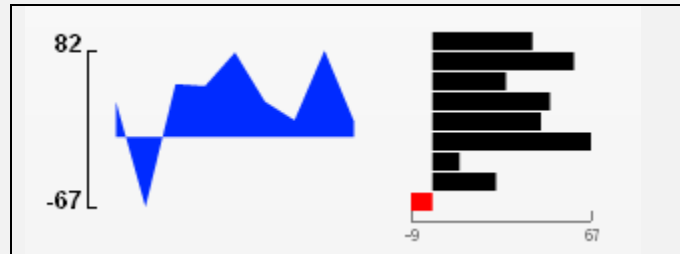
When used in a Data Grid, the axis values can be placed in the column header.



Value Labels on Charts and Grid Header

High-Low Axis

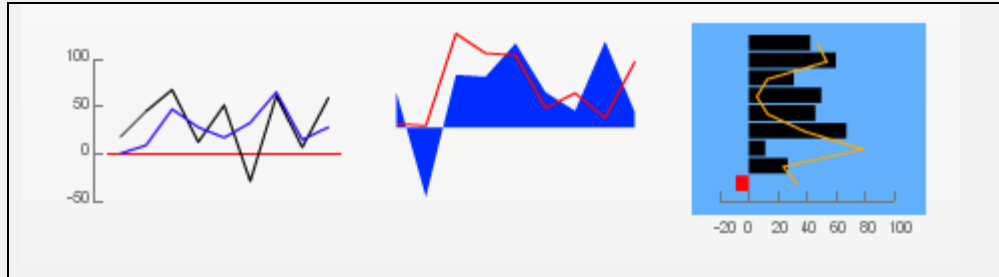
A High-Low axis can be added to a chart by selecting the 'Hi-Low Axis' option in the Axis tab.



High Low Axis Values

Using a Target Value as Secondary Plot Line

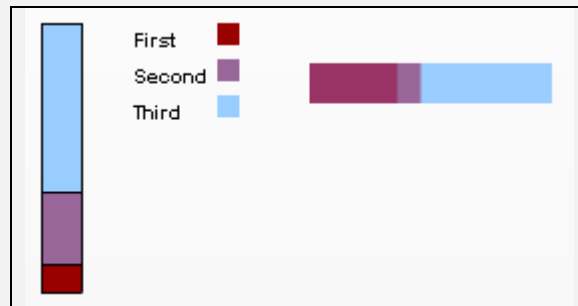
The target values defined for alerting can now be plotted as a secondary data or reference line.



Target Values Plotted as Lines

Micro100BarChart

The Micro100BarChart can now be presented either vertically or horizontally permitting a stacked bar type look. A property editor has been added to allow the creation of borders for each section.

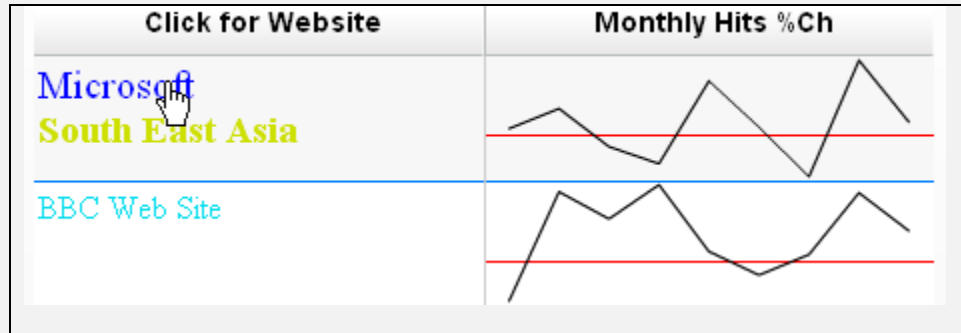


Micro100BarChart

TextNumberIndicator

The TextNumberIndicator can now be defined in HTML and generate a hyperlink that opens a browser window with the clicked URL (note that the hyperlink text must begin with 'http://' or 'https://'). For non-HTML standard text, a line break can be created from bound text by using '\n' in the spreadsheet cell to represent the new line.

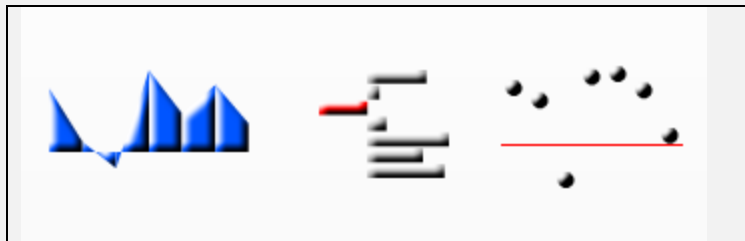
This feature can be used in conjunction with spreadsheet cells to add parameters to an HTTP call, for example to retrieve a Web Intelligence document.



A TextNumberIndicator as a Hyperlink Defined in HTML

Chart Items Bevel Filter

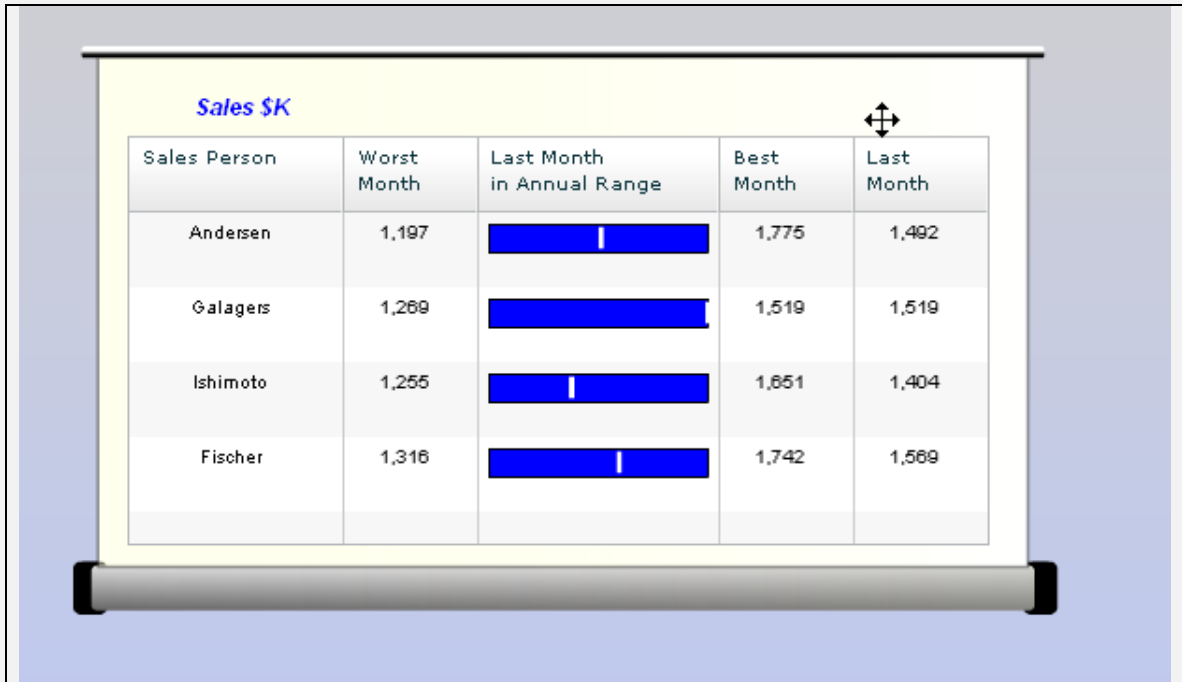
A bevel filter option has been added to most charts. Using the filter option provides the chart with a 3D look and feel.



Charts with Beveled Data Items

The External Bind Option

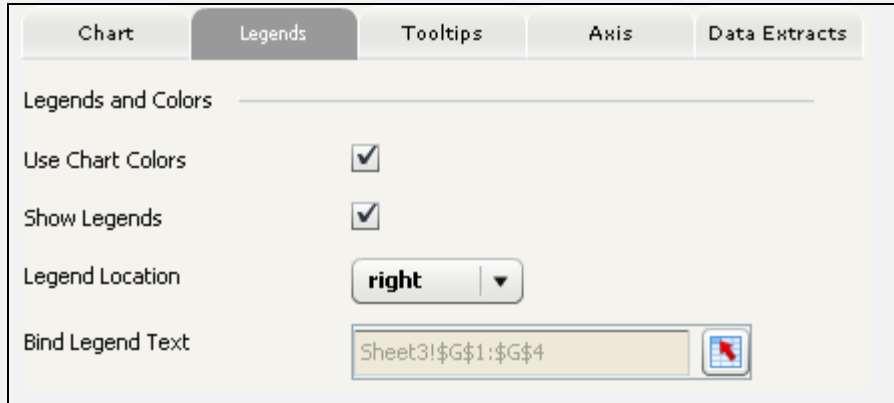
All Charts and Grids can now be included in Inovista containers such as the SVG Floating Background. This means they can be dragged, scaled, shown or hidden.



A Data Grid in an SVG Floating Background

Additional Bound Properties

Chart legend text can now be bound to spreadsheet values.

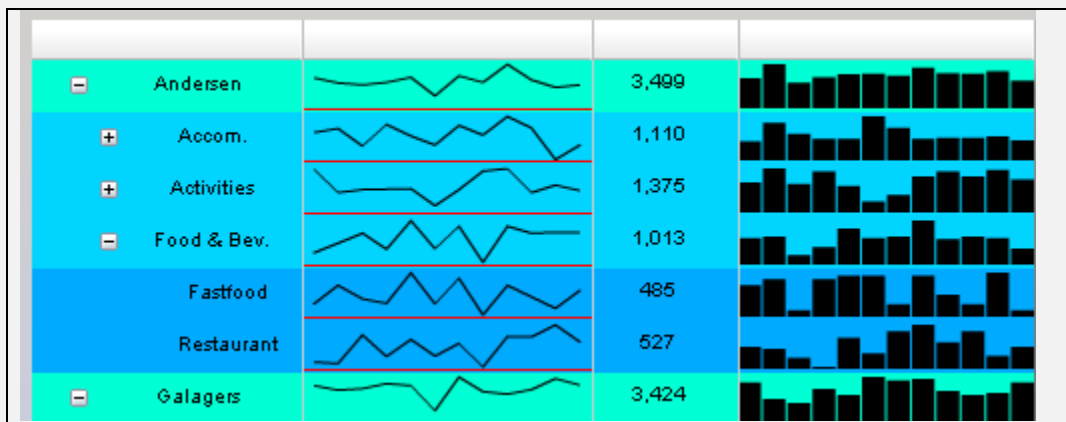


The Legend Text Bound Property

Data and Tree Grid column headers can also be derived from spreadsheet bind values.

Row Indentation Colors in Tree Grid

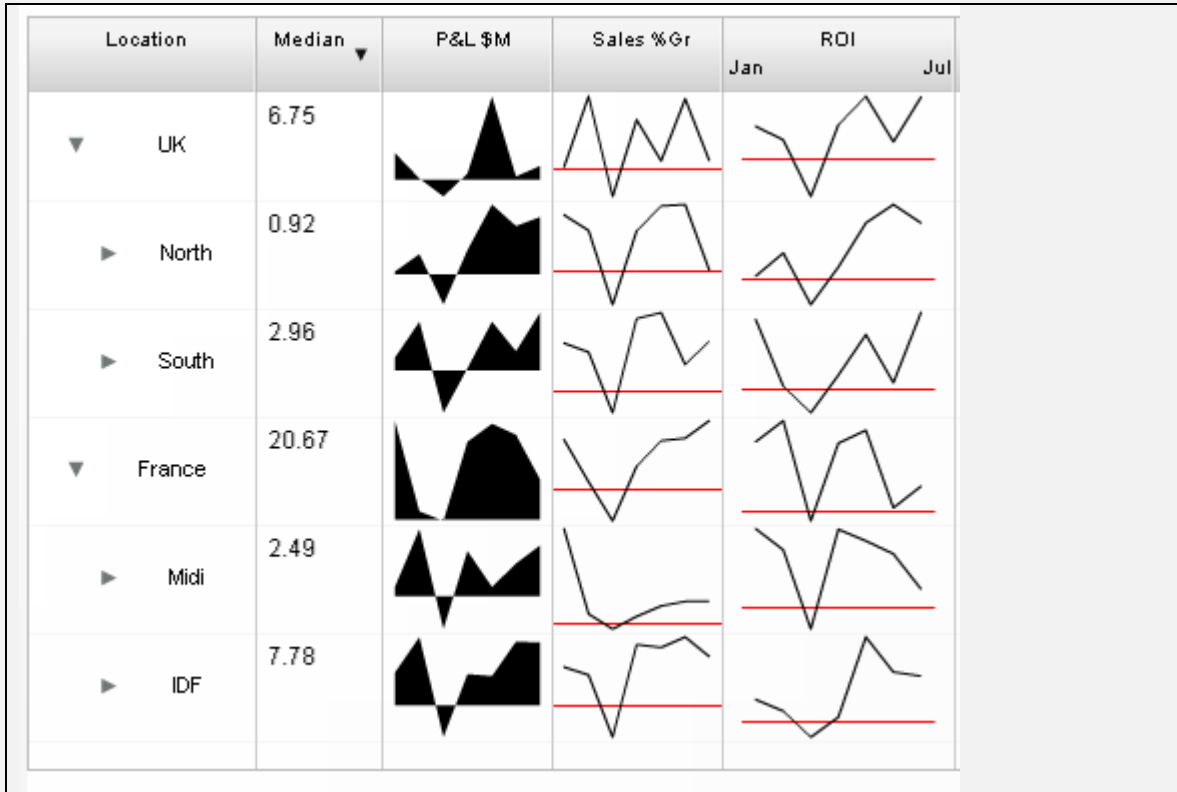
It is now possible to define a different color for each indentation level in the Tree Grid. There is a new tab, 'Tree Row Colors' that allows you to do this.



Indentation Level Colors

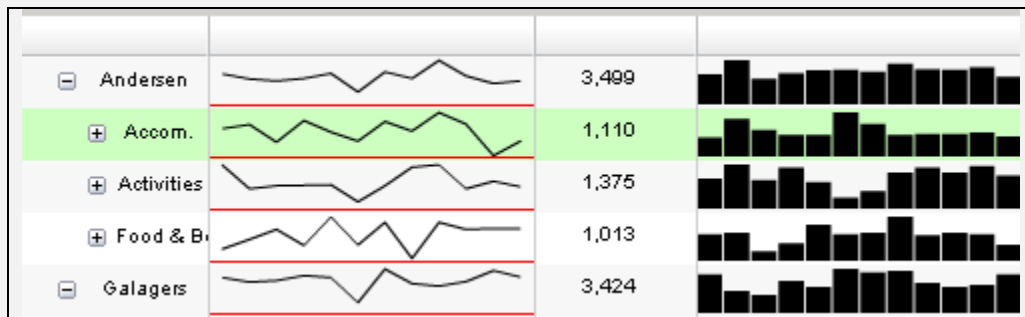
Tree Grid Sorting

The Tree Grid now sorts correctly whether the sort is on the tree column or one of the data columns in the grid itself.



Custom Selected Row Color

The selected row in the Data and Tree Grids can now be highlighted. The highlight color can be defined in the 'Appearance/Gridlines and Border' tab.



A Highlighted Selected Row

More Information

For more information about all Inovista products, please go to:

www.inovista.com

Check in the Samples and Tutorial tabs for examples and videos that can be downloaded. To ask a question about this document or any Inovista product, please contact Inovista with either of the following email addresses:

support@inovista.com

info@inovista.com

System Requirements for Installation

Xcelsius 2008 Service Pack 1 or later

Flash Player 9 or greater

At least 2 Gigabytes of RAM is recommended