

What's New for ASP.NET MVC

Essential Studio Enterprise Edition 2013
Volume 2



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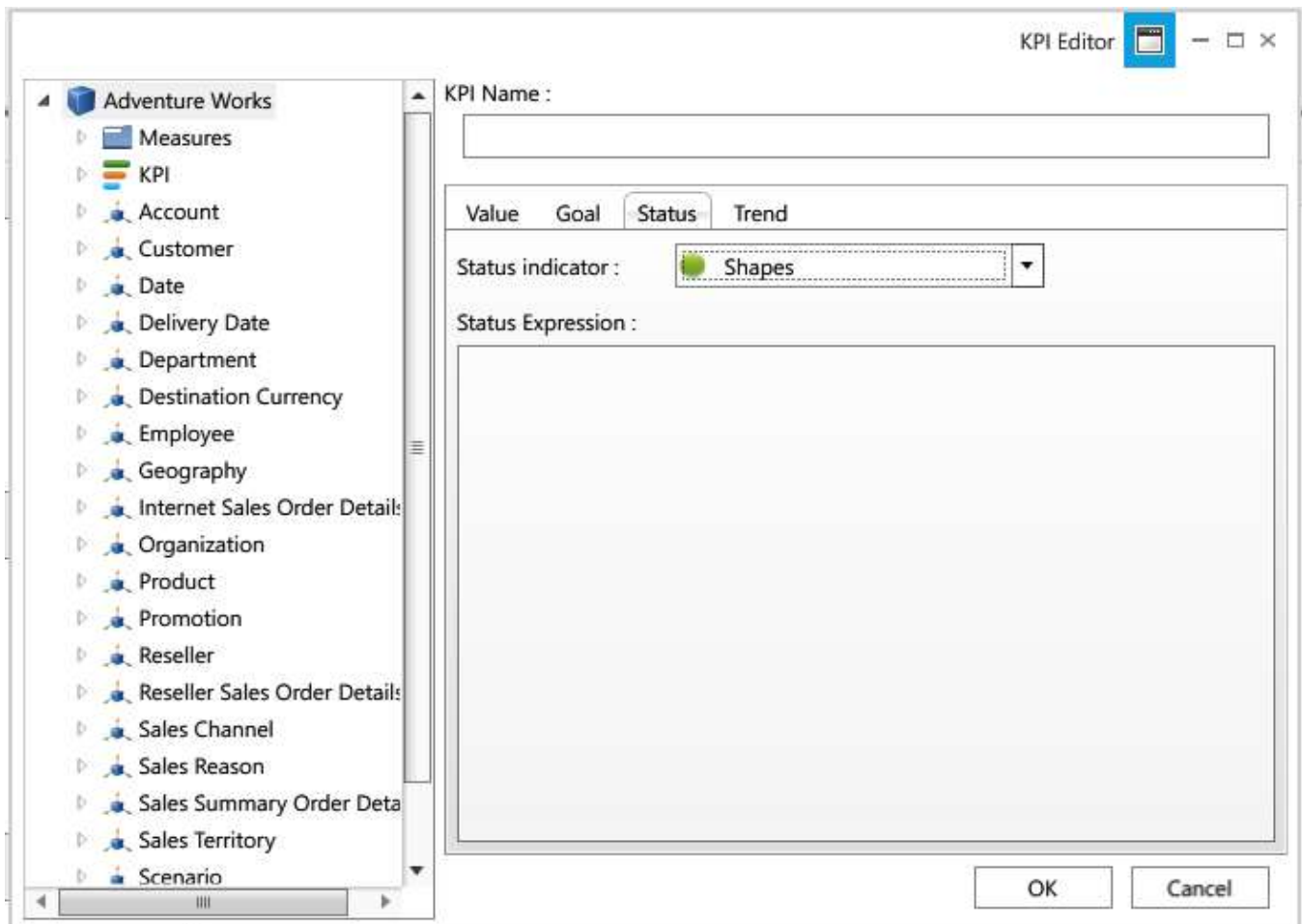
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ASP.NET MVC

- All OLAP Controls

Virtual KPI Support

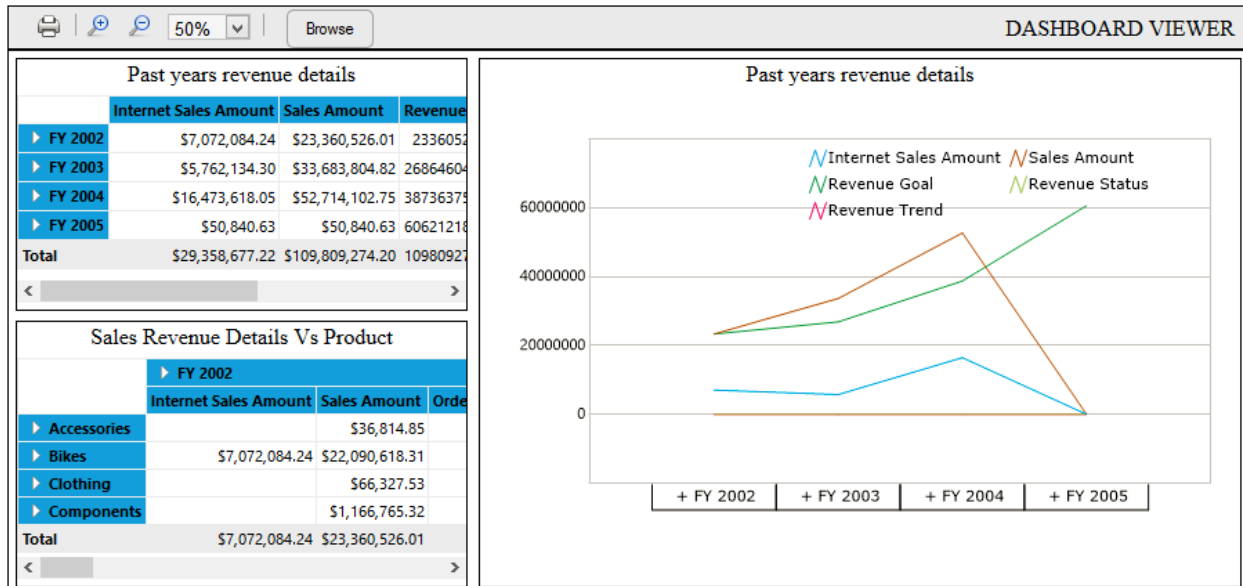
This feature enables users to create key performance indicators (KPIs) without having to store them in SSAS (SQL Server Analysis Services). This is useful when users want to define KPIs at run time, and also when showcasing data with these virtual KPI values in the OLAP Grid and Chart controls.



Creating KPIs

Dashboard Viewer

The Dashboard Viewer is a powerful control for viewing XML-format analytical reports. It defines views from OLAP sources, relational sources, or both through Syncfusion's ASP.NET MVC components.



Dashboard Viewer with Grids and a Chart

■ OLAP Client

Change Chart Type through UI

A toolbar item can be added in the OLAP Client to change the chart type. On clicking the item, a pop-up menu will appear with several icons representing different chart types. By clicking the icons, users can select which chart type they would like to use.

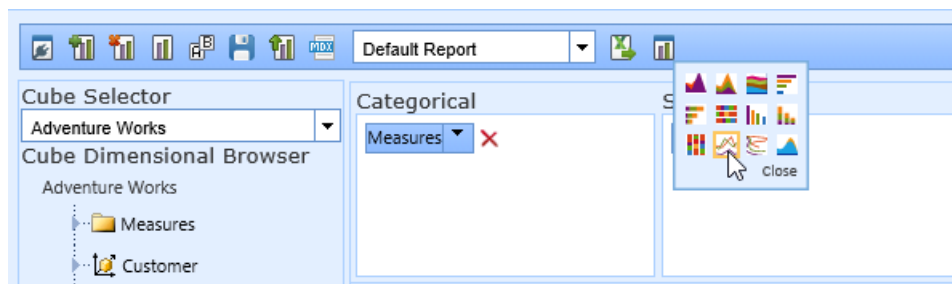
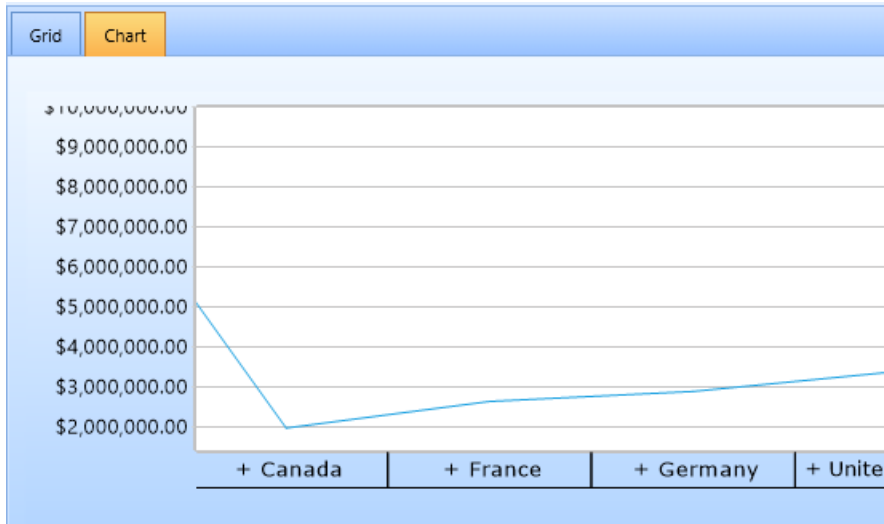


Chart Type Menu

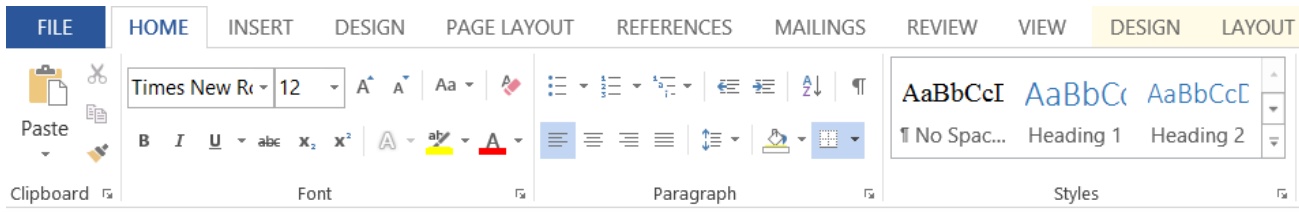


OLAP Client with Line Chart

■ OLAP Grid

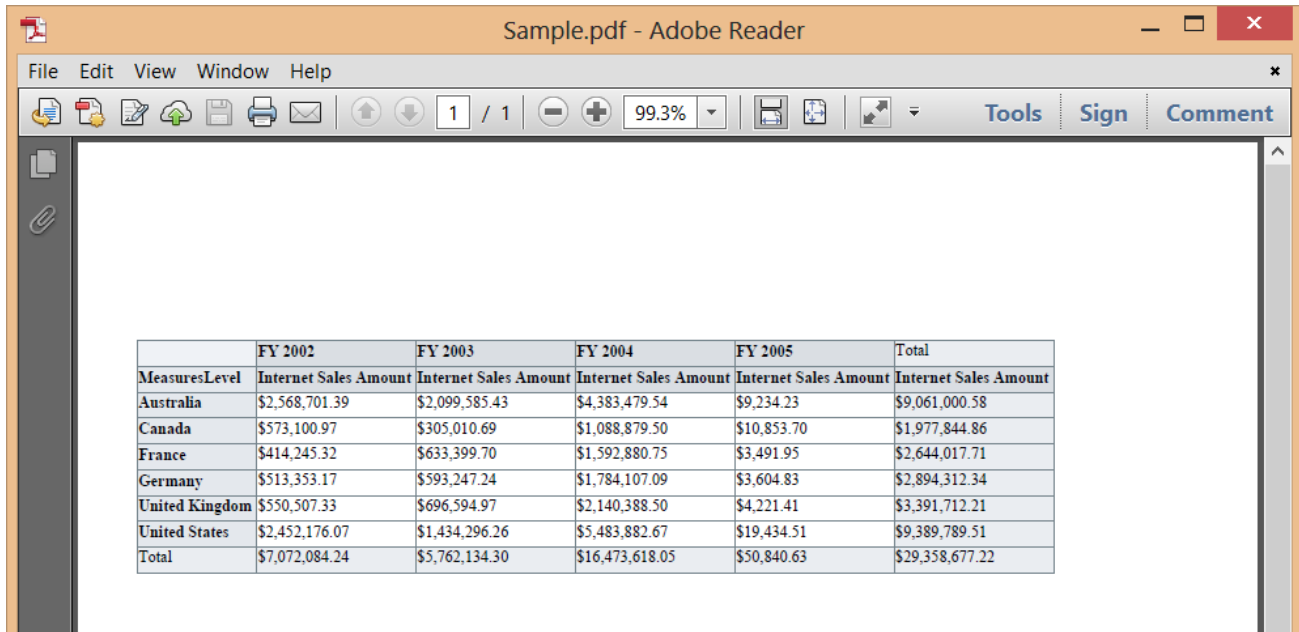
Export to Word, PDF, and CSV

The contents of the OLAP Grid can be exported to a Word document, PDF document, or CSV file.

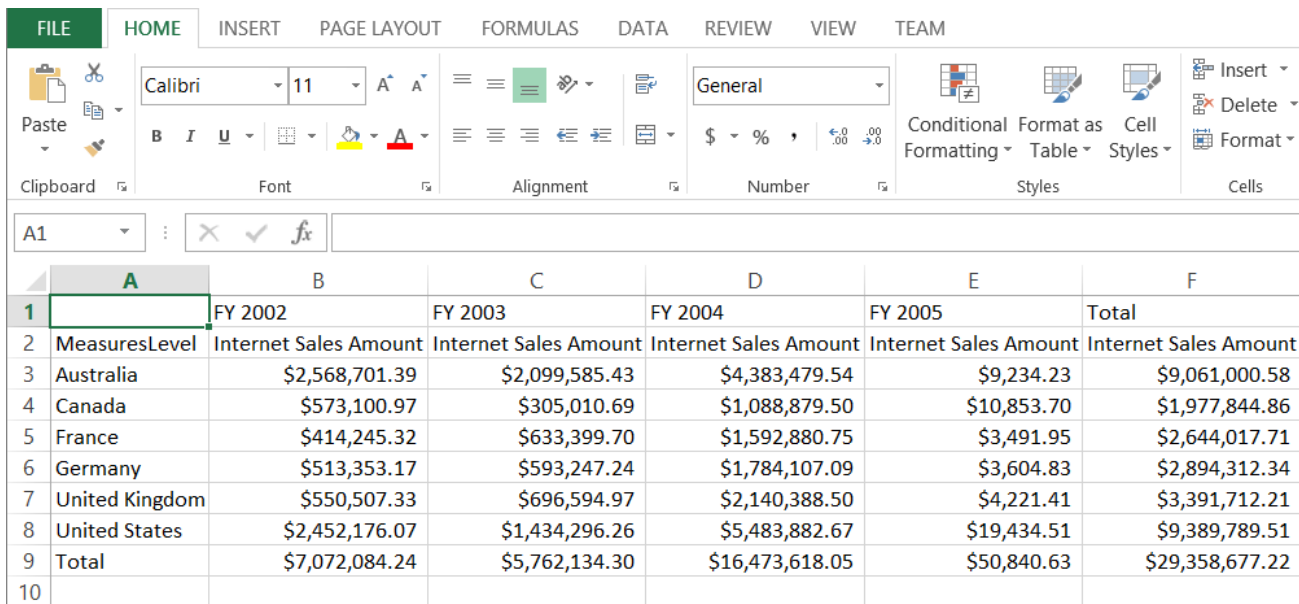


	FY 2002	FY 2003	FY 2004	FY 2005	Total
MeasuresLevel	Internet Sales Amount	Internet Sales Amount	Internet Sales Amount	Internet Sales Amount	Internet Sales Amount
Australia	\$2,568,701.39	\$2,099,585.43	\$4,383,479.54	\$9,234.23	\$9,061,000.58
Canada	\$573,100.97	\$305,010.69	\$1,088,879.50	\$10,853.70	\$1,977,844.86
France	\$414,245.32	\$633,399.70	\$1,592,880.75	\$3,491.95	\$2,644,017.71
Germany	\$513,353.17	\$593,247.24	\$1,784,107.09	\$3,604.83	\$2,894,312.34
United Kingdom	\$550,507.33	\$696,594.97	\$2,140,388.50	\$4,221.41	\$3,391,712.21
United States	\$2,452,176.07	\$1,434,296.26	\$5,483,882.67	\$19,434.51	\$9,389,789.51
Total	\$7,072,084.24	\$5,762,134.30	\$16,473,618.05	\$50,840.63	\$29,358,677.22

Word Export



PDF Export



CSV Export

Key Performance Indicators (KPIs)

Key performance indicators are used to evaluate business activity. Typically, these calculations are a combination of Multidimensional Expressions (MDX) or calculated members. KPIs also have additional metadata that provide information concerning how grid applications should display the results of KPI calculations.

The different types of indicators are:

- Goal: Target value of KPI.
- Status: Status of KPI.
- Trend: Value of KPI over time.
- Value: Actual value of KPI.

	▷ Accessories				
	Gross Profit	Sales Amount	Revenue Goal	Revenue Status	Revenue Trend
▷ FY 2002	\$14,864.11	\$36,814.85	36814.8464		
▷ FY 2003	\$36,370.91	\$124,433.35	42337.07336		
▷ FY 2004	\$562,108.05	\$1,077,065.05	143098.35411		
▷ FY 2005	\$21,124.09	\$33,744.64	1238624.80749977		
Total	\$634,467.16	\$1,272,057.89	1272057.8877998		

KPIs in the OLAP Grid

Grid Layouts

The OLAP Grid supports four layouts.

The **Normal** layout is the default layout of the OLAP Grid in which the summary cells are positioned at the bottom of each parent member and a child member appears next to its parent.

	▷ FY 2002	▷ FY 2003	▷ FY 2004	▷ FY 2005
	Internet Sales Amount			
▷ Australia	\$2,568,701.39	\$2,099,585.43	\$4,383,479.54	\$9,234.23
▷ Canada	\$573,100.97	\$305,010.69	\$1,088,879.50	\$10,853.70
▷ France	\$414,245.32	\$633,399.70	\$1,592,880.75	\$3,491.95
▷ Germany	\$513,353.17	\$593,247.24	\$1,784,107.09	\$3,604.83
▷ United Kingdom	\$550,507.33	\$696,594.97	\$2,140,388.50	\$4,221.41
▷ United States	\$2,452,176.07	\$1,434,296.26	\$5,483,882.67	\$19,434.51
Total	\$7,072,084.24	\$5,762,134.30	\$16,473,618.05	\$50,840.63

OLAP Grid with Normal Layout

In the **Excel-like** layout, the summary cells are positioned at the bottom of the grid, and the child members appear indented below the parent member.

	▷ FY 2002	▷ FY 2003	▷ FY 2004	▷ FY 2005
Internet Sales Amount				
▷ Australia	\$2,568,701.39	\$2,099,585.43	\$4,383,479.54	\$9,234.23
△ Canada	\$573,100.97	\$305,010.69	\$1,088,879.50	\$10,853.70
▷ Alberta	\$7,156.54	\$4,624.91	\$10,686.35	
▷ British Columbia	\$565,944.43	\$300,385.78	\$1,078,156.19	\$10,853.70
▷ Ontario			\$36.96	
▷ France	\$414,245.32	\$633,399.70	\$1,592,880.75	\$3,491.95
▷ Germany	\$513,353.17	\$593,247.24	\$1,784,107.09	\$3,604.83
▷ United Kingdom	\$550,507.33	\$696,594.97	\$2,140,388.50	\$4,221.41
▷ United States	\$2,452,176.07	\$1,434,296.26	\$5,483,882.67	\$19,434.51
Grand Total	\$7,072,084.24	\$5,762,134.30	\$16,473,618.05	\$50,840.63

OLAP Grid with Excel-like Layout

In the **Normal Top Summary** layout, the summary cells are positioned at the top of each parent member and the child member appears next to its parent.

	Total	▷ FY 2002	▷ FY 2003	▷ FY 2004
Internet Sales Amount				
Total	\$29,358,677.22	\$7,072,084.24	\$5,762,134.30	\$16,473,618.05
▷ Australia	\$9,061,000.58	\$2,568,701.39	\$2,099,585.43	\$4,383,479.54
▷ Canada	\$1,977,844.86	\$573,100.97	\$305,010.69	\$1,088,879.50
▷ France	\$2,644,017.71	\$414,245.32	\$633,399.70	\$1,592,880.75
▷ Germany	\$2,894,312.34	\$513,353.17	\$593,247.24	\$1,784,107.09
▷ United Kingdom	\$3,391,712.21	\$550,507.33	\$696,594.97	\$2,140,388.50
▷ United States	\$9,389,789.51	\$2,452,176.07	\$1,434,296.26	\$5,483,882.67

OLAP Grid with Normal Top Summary Layout

In the **No Summaries** layout, the summary cells are hidden and the child members appear next to their parent members.

	▷ FY 2002	▷ FY 2003	▷ FY 2004	▷ FY 2005
	Internet Sales Amount			
▷ Australia	\$2,568,701.39	\$2,099,585.43	\$4,383,479.54	\$9,234.23
▷ Canada	\$573,100.97	\$305,010.69	\$1,088,879.50	\$10,853.70
▷ France	\$414,245.32	\$633,399.70	\$1,592,880.75	\$3,491.95
▷ Germany	\$513,353.17	\$593,247.24	\$1,784,107.09	\$3,604.83
▷ United Kingdom	\$550,507.33	\$696,594.97	\$2,140,388.50	\$4,221.41
▷ United States	\$2,452,176.07	\$1,434,296.26	\$5,483,882.67	\$19,434.51

OLAP Grid with No Summaries Layout

Member Properties

Member properties provide the basic information about each member in a tuple. This basic information includes the member name, parent level, the number of children, and so on.

Member properties are available for all members at a given level. The OLAP Grid now supports dimension members along with their properties.

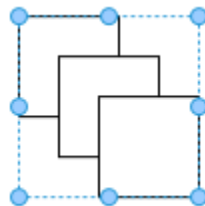
	Title	Phone	Email Address	Sales Amount Quota
▷ Ken J. Sánchez	Chief Executive Officer	697-555-0142	ken0@adventure-works.com	\$114,253,550.00
Grand Total				\$114,253,550.00

Member Properties in an OLAP Grid Record

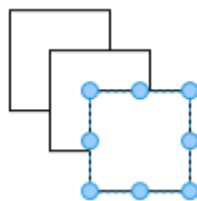
■ Essential Diagram

Grouping

Multiple diagram nodes and connectors can be grouped, allowing users to easily manipulate several diagram elements at once. Groups can be designated and cleared dynamically through the context menu. This feature implements the **group** and **ungroup** client-side methods.



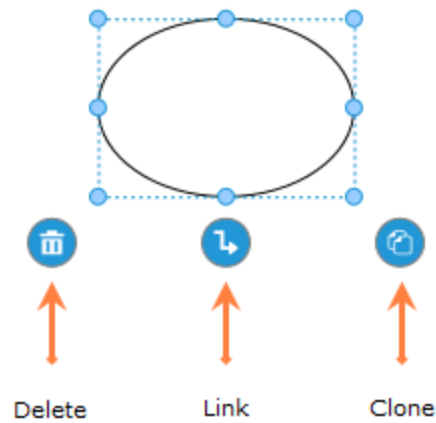
Grouped Nodes



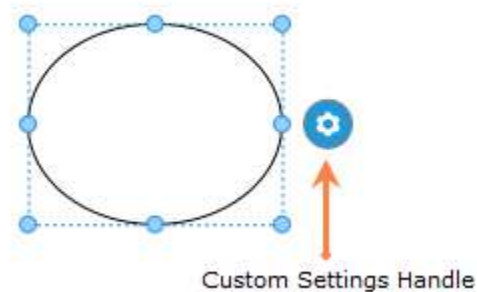
Ungrouped Nodes

Advanced Selection Handles

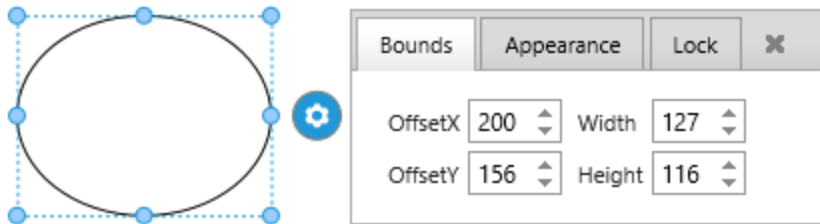
Advanced selection handles provide users with a default set of handles for editing diagram nodes. The default handles include a delete option for removing the node from the diagram page, a link option for adding a line connector to the node, and a clone option for copying the node. A customizable selection handle can also be added to nodes to provide such options as adjusting node boundaries, altering their appearance, and allowing certain interaction behaviors. Users can position the advanced handles at the top left, top center, top right, middle left, middle right, bottom left, bottom center, and bottom right of the nodes.



Default Advanced Handles



Custom Advanced Handle



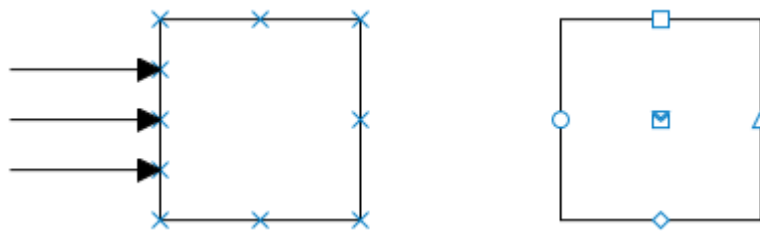
Custom action opens a settings dialog when clicking on advanced settings handle.

Custom Advanced Handle with Custom Action

Connection Point Support

A connection point is an object used to establish a connection between a diagram node and a line connector. This feature allows users to create connection points on a node at predefined or custom locations with various visual styles. Users can add connection points by selecting the connection point toolbar item and then clicking anywhere within a node. The following visual styles are available for connection points:

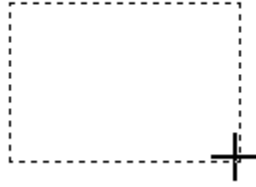
- X
- Circle
- Square
- Triangle
- Rhombus
- Custom



Custom Connection Point Placement (Left) and Custom Connection Point Shapes (Right)

Drawing Tools

This feature allows users to draw predefined node and connector shapes on a diagram. 34 node shapes and three connector shapes are built into the control. Also included in the drawing tools is a connection point tool for adding and removing connection points on a node. A single-action option is available for drawing nodes or connectors continuously from the time the tool is activated until either the Select tool is chosen or the currently active tool is deactivated.



Drawing in Progress

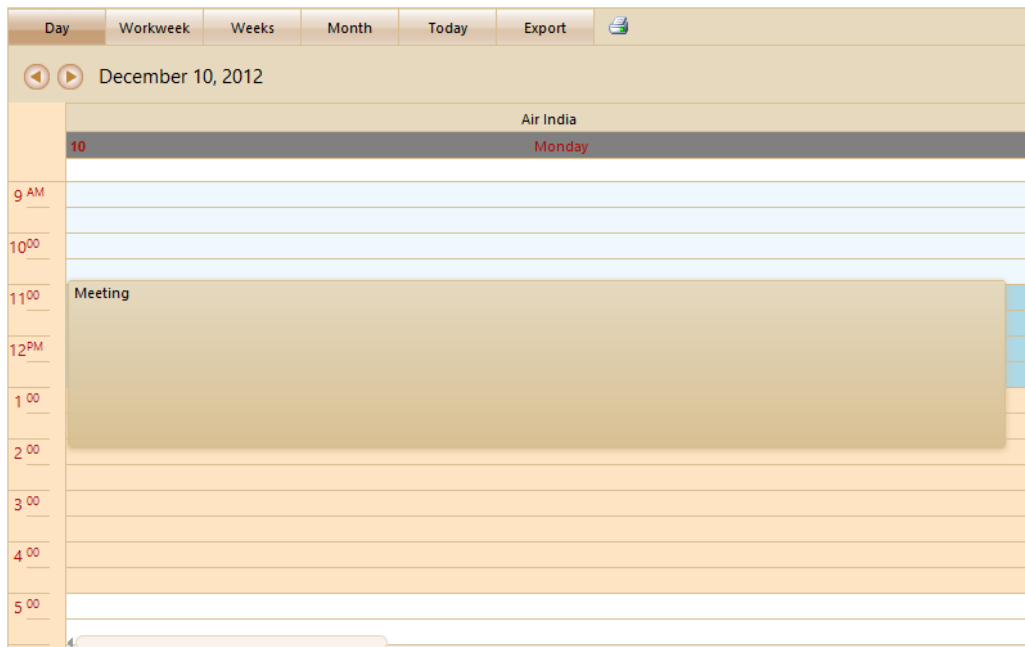


Drawing Completed

■ Essential Schedule

Change styles and colors for specific cells

The appearance of schedule cell elements can be changed dynamically at run time. Specific hour ranges, appointments, and even entire days can be given specific colors, enabling users to personalize their schedules as necessary.



Schedule with Customized Hour Ranges