

The background of the slide is white with several thin, curved lines in shades of blue and grey. At the bottom, there is a large, abstract graphic composed of overlapping, semi-transparent shapes in various shades of blue and grey, creating a layered, mountain-like effect.

DB2 Web Query  
Active Technologies  
for Mobile Web Apps

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# Active Technologies for Mobile Web Apps

This chapter describes Active Technologies features and functions available on mobile and gesture-enabled devices with multi-touch capability, such as the Apple® iPhone® and Apple iPad®.

## Topics:

- ❑ Requirements for Mobile Web Apps
- ❑ Mobile Web Apps Features
- ❑ Standard Gesture Support
- ❑ Running an Active Technologies Report on a Mobile Device
- ❑ Running an Active Dashboard on a Mobile Device

## Requirements for Mobile Web Apps

Active Technologies for mobile Web apps require Internet Explorer 8 or higher.

Apple requires that any Web content that is accessed from an iPhone app is compatible with, and optimized for display on, all Apple iOS-based devices. Active Technologies comply with Web standards and are compatible with the Apple Safari® browser.

Older browsers running on a Blackberry OS prior to OS 6 do not fully support JavaScript. Blackberry OS 6 or higher may be required in order to render an active report or dashboard in HTML correctly.

## Mobile Web Apps Features

The following features apply to Active Technologies implemented on mobile devices.

- ❑ Active Technologies check for the screen size of the device at a run time. If the height of the screen is less than 500 pixels, Active Technologies assume that the report or dashboard is running on a mobile device and the mobile user interface is used. This feature applies when the device is in either portrait or landscape mode.
- ❑ By default, Active Technologies use tab window navigation, familiar to most users. In tab window navigation, open windows are represented by tabs across the top of a report. Tap a tab to navigate between windows.



- ❑ Only Active Technologies HTML JavaScript charts are available on devices that do not support Adobe® Flash® Player, such as an iPhone or iPad.

## Standard Gesture Support

Active Technologies support the following standard interactive gestures that are used on a multi-touch screen.

Gesture	Description
Tap	To press or select a control or item (analogous to a single mouse click).
Drag	To move columns left and right or up and down slowly when an active report is in a grid in full-screen Web app view.
Flick	To move columns left and right or up and down quickly when an active report is in a grid in full-screen Web app view.

Gesture	Description
Swipe	To page forward or backward in a pagination bar when an active report is in a grid in full-screen Web app view.
Double tap	<p>To zoom in and center a block of content or an image. If you are already zoomed in, a double tap zooms out.</p> <p>You can also double tap on the screen to hide both the top and bottom toolbars, as well as the pagination bar. Double tap on the screen again to show both toolbars and the pagination bar.</p>

## Running an Active Technologies Report on a Mobile Device

### In this section:

Adjusting the Views

Adding an Active Technologies Report or Dashboard to the Home Screen

Hiding and Showing the Pagination Bar and the Top and Bottom Toolbars

Navigating Between Pages

Accessing the Report Column Drop-Down Menu

Sorting Data

Filtering Data

Calculating Data

Viewing Data as a Chart

Viewing Data in a Rollup Table

Viewing Data in a Pivot Table

Using Data Visualization

Hiding or Restoring a Column

Freezing or Unfreezing a Column

Controlling the Number of Records Per Page

Restoring a Report to Its Original State

Unsupported Menu Options

The following image shows a sample active report that is running on an iPad in full-screen Web app view.

Production Order Summary					
Region	State	Product Type	Product Name	Revenue	Cost of Goods Sold
East North Central	Illinois	Audio	Home Theater 5.1 System	\$947,526.00	\$616,200.00
			Home Theater 7.1 THX System	\$752,749.00	\$502,000.00
			Home Theater Surround System	\$107,892.00	\$81,000.00
			Micro 5.1 System	\$144,710.00	\$116,000.00
			Micro HIFI Stereo System	\$335,559.00	\$243,890.00
		Camcorders	DVD Easycam Camcorder - 3CCD	\$3,170,414.00	\$2,379,000.00
			DVD Easycam Camcorder - 3CCD Pro	\$2,047,360.00	\$1,600,000.00
			DVD Easycam Camcorder 14x Power Zoom	\$1,603,800.00	\$1,430,000.00
			DVD Easycam Camcorder 16x Power Zoom	\$1,011,375.00	\$843,750.00
			DVD Easycam Camcorder 18x Power Zoom	\$307,692.00	\$261,800.00
		Cameras	EasyShot Digital Camera	\$417,696.00	\$328,320.00
			EasyShot Digital Camera 6.1 Megapixel	\$1,768,663.00	\$1,283,500.00
			EasyShot Digital Camera 8 Megapixel	\$622,108.00	\$415,200.00
			EasyShot Ultra Zoom Digital Camera	\$290,460.00	\$216,200.00
			EasyShot Wide Zoom Digital Camera	\$199,598.00	\$148,400.00
		Office	Easyfile Electronic Organizer 10MB Memory	\$21,021.00	\$8,580.00
			Easyfile Electronic Organizer 8MB Memory	\$27,378.00	\$10,530.00
			Easyvoice Voice Recorder 6 Hours	\$29,028.00	\$12,300.00
			Easyvoice Voice Recorder 8 Hours	\$133,929.00	\$58,230.00
			Easyvoice VoiceEmail - Digital Recorder	\$4,819.00	\$2,135.00
		Video	13 Inch Portable DVD Video System	\$3,868,919.00	\$3,097,200.00
			15 Inch Portable DVD Video System	\$2,046,976.00	\$1,536,000.00
			20 Inch LCD TV with PC/DVD/TV Inputs	\$20,787.00	\$16,900.00
			50 Inch HD A/V Wireless Plasma TV	\$1,375,656.00	\$1,272,800.00
			56 Inch Widescreen HDTV Monitor TV with DLP	\$1,186,542.00	\$1,032,000.00
			DVD Changer / Player	\$737,385.00	\$492,000.00


You can use the icons on the pagination bar of the grid in an active report to:

- Adjust the viewing mode, which can be either full-screen Web app view or original active report view.
- Position the pagination bar at the top or at the bottom of the report.


You can access a report column drop-down menu by tapping on the column title of a report, to refine the data in different ways, and manipulate the way that you present it.

You can also use the icons on the chart, rollup, or pivot tool bar of an active report to adjust the viewing mode, which can be either full-screen Web app view or original active report view.

## Adjusting the Views

Tap the *Full Screen View* icon  to display the report in full-screen Web app view mode. Full-screen Web app view means that the report is presented as a gesture-enabled Web app with the features and functionalities customized for mobile and touch-screen devices. This is the default view for the display of a report on mobile and multi-touch devices.



In full-screen Web app view, tap the *Original View* icon  to restore the report to its original active report view. Original active report view means that the report is presented as a regular active report running inside the browser. All the functionalities of active reports in the desktop browser are intact in this mode, except the window display option is set to Tabs instead of Cascade by default to accommodate devices with small screen sizes.

## Adding an Active Technologies Report or Dashboard to the Home Screen

For easy access, you can add an active report or dashboard to the Home screen of your device. When an active report or dashboard is added to the Home screen, it will create an icon of the report or dashboard. The user can tap on the icon to access the active report or dashboard instead of entering its URL in the device browser. When the active report or the dashboard is opened from the Home screen, it will connect to Web Query to retrieve the most up-to-date information. Accessing active reports and dashboards from the icon provides more space to view reports or dashboards on devices with small screen sizes. There will be no browser toolbars to take up screen space.

To add an active report or dashboard to the Home screen on the iPhone and iPad, open an active report or dashboard in the browser and then tap the *Action* icon at the bottom of the screen. Tap the *Add to Home Screen* option.

To add an active report or dashboard to the Home screen on Android devices, open an active report or dashboard in the browser and open the menu options. Tap *Add shortcut to Home*. Depending on your device, you may need to tap *Add bookmark* first. In this case, go to the Bookmarks list and touch and hold the bookmark you just added to bring up the *Add shortcut to Home* option.

## Hiding and Showing the Pagination Bar and the Top and Bottom Toolbars

In full-screen Web app view, you can hide the pagination bar and the top and bottom toolbars of the grid and chart. This is done so that there is more space to view the active reports and charts on devices with small screen sizes.

To do this:

1. Click the *Full Screen* icon to display the report in full-screen Web app view, if it is not already in that view.
2. In the grid cell data area or in a chart, double tap to hide the pagination bar and the top and bottom toolbars.
3. In the grid cell data area or in a chart, double tap to show the pagination bar and the top and bottom toolbars.

## Navigating Between Pages

To navigate between the pages of an active report:

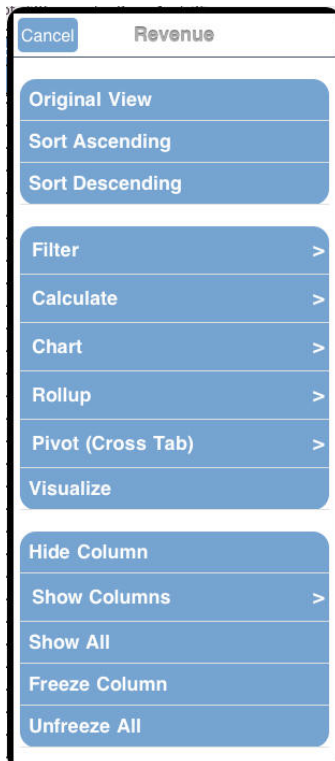
1. Click the *Full Screen* icon to display the report in full-screen Web app view if it is not already in that view.
2. On the pagination bar, swipe from right to left to display the next page of the report.
3. On the pagination bar, swipe from left to right to display the previous page of the report.

## Accessing the Report Column Drop-Down Menu

### How to:

Access the Report Column Drop-Down Menu

The following image shows a sample report column drop-down menu for a numeric data column in full-screen Web app view.



The menu option *Visualize* is available only for numeric data. The menu options *Show Columns* and *Show All* are available only when there are hidden columns in the report. The menu options *Freeze Column* and *Unfreeze All* are available only in full-screen Web app view.

### **Procedure: How to Access the Report Column Drop-Down Menu**

- 1.** On a run-time tabular report (grid), tap once on a column title.  
The report column drop-down menu is displayed, with a selection of options.
- 2.** Tap the desired menu option. An arrow to the right of a menu option means that there is an additional menu associated with that option. The options and their associated menus are described in the topics that follow.
- 3.** To remove the report column drop-down menu, tap *Cancel*.

## **Sorting Data**

You can sort data in any column of an active report in ascending or descending order.

Tap *Sort Ascending* to sort the data in ascending order.

Tap *Sort Descending* to sort the data in descending order.

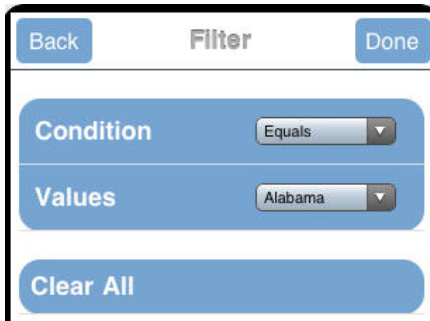
## **Filtering Data**

### **In this section:**

Using the Filter Tab

On a run-time active report, locate and tap the title of the column that you wish to filter. From the report column drop-down menu, tap *Filter* or touch the right arrow for the *Filter* menu option. The *Filter* menu is displayed, specifying the default filter condition and default values for the selected column in the existing report.

The following image shows a sample Filter menu. In this example, the default condition is Equals and the default value is Alabama. Alabama is the first value in the existing report for the selected column.



The menu retains any previous filters that were applied to this column of the report.

You can:

- ❑ Tap *Done* once to see the result of the default condition and values. The filtered report is automatically generated, and a new Filter tab is appended after the Report tab and any other existing tabs. On the new Filter tab, you can change the default condition and values to customize the filter for your reporting needs.
- ❑ You can also tap on the Condition and Values drop-down dialog box to change the filter condition or values before tapping the Done button.
- ❑ Tap *Clear All* to remove all the filters that are currently applied to this report.

## Using the Filter Tab

The following image shows a sample Filter tab for an active report (grid).



The Filter tab shows all the filters that are applied to the report.

An individual filter applies only to the specific report from which the filter was created or to which the filter was added. You can scroll up and down the list to view all the individual filters.

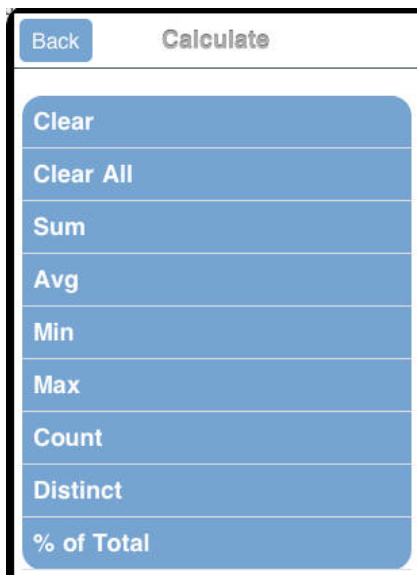
From the Filter tab, you can do the following.

- ❑ Tap a drop-down list to change the filter condition or values. An asterisk next to a value (for example, next to Alabama in the preceding example) means that multiple values define the condition.
- ❑ Tap the *Delete* icon to remove an individual filter from the report.
- ❑ Tap *Operator: AND* to change the condition (operator) between all existing filters from AND (the default) to OR.
- ❑ Tap *Add Condition* to define a new filter.
- ❑ Tap *Filter* to apply a modified or new filter and generate the new report.
- ❑ Tap *Highlight* to apply highlight to the filtered values in the report.
- ❑ Tap *Clear All* to remove all the filters that are currently applied to the report.

## Calculating Data

From the report column drop-down menu, tap *Calculate* or touch the right arrow for the Calculate menu option to display a menu from which you can apply a calculation to the selected column.

The following image shows the Calculate menu for a numeric data column. The calculations that are available on the menu depend on the data type of the selected column: numeric, alphanumeric, or date.



You can do the following.

- ❑ Tap a calculation type in the list. A new report is generated on the Report tab. The calculated result for the selected column is displayed at the location in the grid specified in the Web Query report procedure. Depending on the size of the screen that you are using, the calculated result may be displayed over two lines.
- ❑ Tap *Clear* to remove the calculation that was last applied to the report.
- ❑ Tap *Clear All* to remove all the calculations that are currently applied to the report.

## Viewing Data as a Chart

### In this section:

Using the Chart Tab

Tap *Chart* or touch the right arrow for the Chart menu option to display a menu that specifies the default value for the type of chart that will be displayed and the default aggregation (calculation) that will be used to draw the chart. Also listed are the columns that are available for display on the X-axis of the chart (the Group By fields).

The following image shows a sample Chart menu. In this example, the default chart type is Pie and the default aggregation is Sum, for the selected numeric data column. Columns that can be displayed on the X-axis (Group By columns) are listed on the menu.



Tap a Group By column for the X-axis to automatically generate a chart that is the result of the default values and the selected X-axis column. The chart is displayed in tab view, with a new Chart tab appended after the Report tab and any other existing tabs.

The chart is generated in full-screen Web app view by default if you are in that view.

You can also tap the *Chart* drop-down menu to change the chart type or tap the *Aggregation* drop-down menu to change the calculation type before selecting the *Group By* field to generate the new chart.

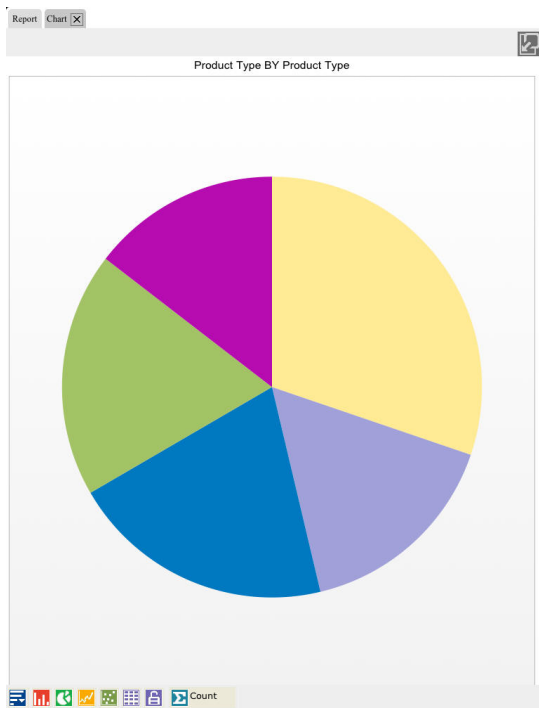
On the new Chart tab, you can change the values to customize the chart for your reporting needs. You can also manipulate the way that you present the data.

## Using the Chart Tab









### In this section:

Using the Active Technologies Chart Menu

The following image shows a sample Chart tab.



Beneath the chart is the active chart or rollup tool bar, which contains the icons described in the following table.

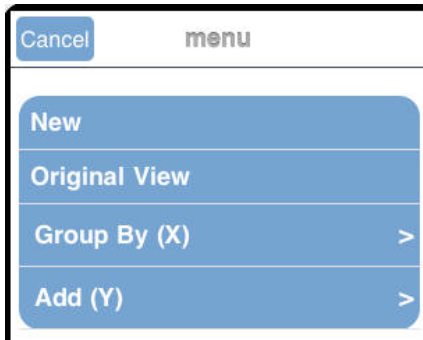
Icon	Description
	Displays the active chart or rollup menu.
	Changes the chart type to bar.
	Changes the chart type to pie.
	Changes the chart type to line.
	Changes the chart type to scatter. Scatter charts are available for numeric columns.
	Displays the chart as a rollup table.
	Freezes the chart or rollup table. You can link or unlink a chart or rollup table to the filters that you have applied in your report using the Freeze Chart or Freeze Rollup icon. The icon indicates whether the report is linked to the filter (Freeze Chart or Freeze Rollup) or not (Unfreeze Chart or Unfreeze Rollup).
	Changes the aggregation method.

### Using the Active Technologies Chart Menu

The active chart menu and its submenus allow you to change the columns used in the chart or rollup table or select multiple columns from those available in the report, including hidden and NOPRINT columns.



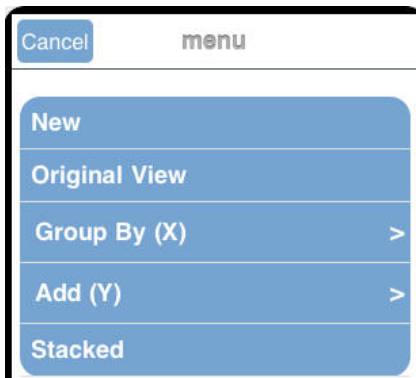
The following image shows the active chart menu.



You can:

- ❑ Tap *New* to create a copy of the same chart on a new Chart tab.
- ❑ Tap *Original View* or *Fullscreen* to display the chart in the desired viewing mode.
- ❑ Tap *Group By (X)* to change the column selected for the X-axis (the Group By field) or add any column available in the report, including hidden and NOPRINT columns. On the Group By (X) submenu, values used in the existing chart are displayed at the top of the column names and are selected (checked) by default. A newly selected X-axis column is displayed at the top of the column names and is checked.

For a bar chart, tap *Stacked* to create a stacked AHTML bar chart.



The following image shows a sample Group By (X) submenu. The column Product Type used as the X-axis in the existing chart.



Tap once to select an additional column, or tap again to deselect the column. Once you select or deselect a column, the Chart tab displays the modified chart, reflecting all the changes.

- ❑ Tap *Add (Y)* to change the column selected for the Y-axis or add any column available in the report, including hidden and NOPRINT columns. On the Add (Y) submenu, the values used in the existing chart are selected by default.

The following image shows a sample Add (Y) submenu. The column Cost of Goods Sold is used as the Y-axis in the existing chart.



Tap once to select an additional column, or tap again to deselect the column. Once you select or deselect a column, the Chart tab displays the modified chart, reflecting all the changes.

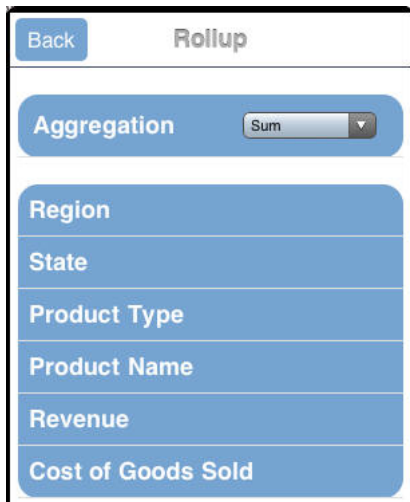
## Viewing Data in a Rollup Table

### In this section:

Using the Rollup Tab

Tap *Rollup* or touch the right arrow for the Rollup menu option to display a menu that specifies the default aggregation (calculation) that will be used to generate the rollup table. Also listed are the Group By columns that are available for display in the rollup table.

The following image shows a sample Rollup menu. In this example, the default aggregation is Sum for a numeric data column. The available Group By columns are listed on the menu.



Tap a Group By column to automatically generate a rollup table that is the result of the default aggregation value and the selected column. You must select at least one Group By column. After you select a column, the rollup table is displayed in tab view, with a new Rollup tab appended after the Report tab and any other existing tabs.

The rollup table is generated in full-screen Web app view by default, if you are in that view.

You can also tap the *Aggregation* drop-down menu to change the calculation type before selecting the Group By field to generate the new rollup.

On the new Rollup tab, you can change the values to customize the rollup table for your reporting needs, making it more complex as required for analysis. You can also manipulate the way that you present the data.

## Using the Rollup Tab

**In this section:**  
Using the Rollup Menu









The following image shows a sample Rollup tab.

Cost of Goods Sold BY State	
State	Cost of Goods Sold
Alabama	\$295,430.00
Arizona	\$1,515,630.00
Arkansas	\$2,100,360.00
California	\$26,880,720.00
Colorado	\$5,313,825.00
Connecticut	\$10,461,245.00
Delaware	\$9,900,670.00
Florida	\$17,396,725.00
Georgia	\$15,648,585.00
Hawaii	\$626,240.00
Illinois	\$18,567,485.00
Indiana	\$10,392,140.00
Kansas	\$1,017,820.00
Kentucky	\$5,959,535.00
Louisiana	\$467,730.00
Maryland	\$15,406,905.00
Massachusetts	\$20,026,630.00
Michigan	\$6,701,295.00
Minnesota	\$8,987,830.00
Missouri	\$3,866,990.00
Nebraska	\$421,010.00
Nevada	\$707,640.00
New Jersey	\$16,366,770.00
New York	\$35,264,480.00
North Carolina	\$858,660.00
Ohio	\$14,204,085.00
Oklahoma	\$6,469,380.00
Oregon	\$255,750.00
Pennsylvania	\$11,028,340.00
South Carolina	\$70,550.00

Web Query Active Technologies Demo Report

Sum

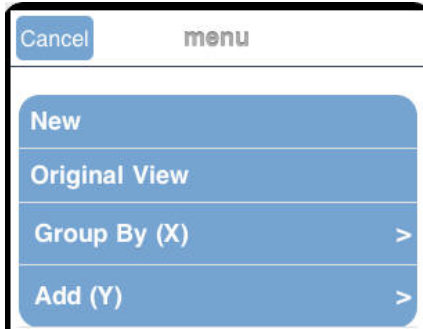
Beneath the rollup table is the chart or rollup tool bar, which contains the icons described in the following table.

Icon	Description
	Displays the active chart or rollup menu.
	Changes the report to a bar chart.
	Changes the report to a pie chart.
	Changes the report to a line chart.
	Changes the report to a scatter chart. Scatter charts are available for numeric columns.
	Displays the report in table format.
	Freezes the chart or rollup table. You can link or unlink a chart or rollup table to the filters that you have applied in your report using the Freeze Chart or Freeze Rollup icon. The icon indicates whether the report is linked to the filter (Freeze Chart or Freeze Rollup) or not (Unfreeze Chart or Unfreeze Rollup).
	Changes the aggregation method.

### Using the Rollup Menu

The rollup menu and its submenus allow you to select multiple columns from those available in the report, including hidden and NOPRINT columns.

The following image shows the rollup menu.



You can:

- ❑ Tap *New* to create a copy of the same rollup table on a new Rollup tab.
- ❑ Tap *Original View* or *Fullscreen* to display the rollup table in the desired viewing mode.
- ❑ Tap *Group By (X)* to change the column selected for the X-axis (the Group By field) or add any column available in the report, including hidden and NOPRINT columns. On the Group By (X) submenu, the Group By column used in the existing rollup table is displayed at the top of the column names and is selected (checked) by default.

The following image shows a sample Group By (X) submenu. The column Product Type is the Group By column for the existing rollup table.



Tap once to select an additional column, or tap again to deselect the column. Once you select or deselect a column, the Rollup tab displays the modified rollup table, reflecting all the changes.

- ❑ Tap *Add (Y)* to change the column selected for the Y-axis or add any column available in the report, including hidden and NOPRINT columns. On the Add (Y) submenu, the Y-axis column used in the existing report is selected by default.

The following image shows a sample Add (Y) submenu. The column Cost of Goods Sold is the Y-axis column for the existing report.



Tap once to select an additional column, or tap again to deselect the column. Once you select or deselect a column, the Rollup tab displays the modified rollup table, reflecting all the changes.

## Viewing Data in a Pivot Table

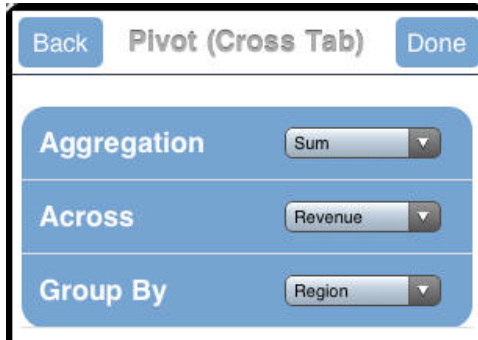
### In this section:

Using the Pivot Tab

Using the Pivot Menu

Tap *Pivot (Cross Tab)* or touch the right arrow for the Pivot (Cross Tab) menu option to display a menu that specifies default values for the aggregation (calculation) that will be used to generate the pivot table, the column that will be displayed across the pivot table, and the Group By column that will be used to generate the table.

The following image shows a sample Pivot (Cross Tab) menu. In this example, the default aggregation is Sum for a numeric column, the default across column is Revenue, and the default Group By column is Region. A pivot table requires at least one across column and one Group By column. The first value for the column in the report is displayed by default.



Tap *Done* once to see the result of the default values. The pivot table is automatically generated in tab view, and a new Pivot tab is appended after the Report tab and any other existing tabs.

The pivot table is generated in full-screen Web app view by default, if you are already in that view.

On the new Pivot tab, you can change the default values to customize the pivot table for your reporting needs, making it more complex as required for analysis.



## Using the Pivot Tab

The following image shows a sample Pivot tab.

Region	Audio	Camcorders	Cameras	Office	Video	Total
East North Central	\$4,031,730.00	\$17,986,850.00	\$8,443,290.00	\$274,660.00	\$24,503,650.00	\$55,240,180.00
East South Central	\$315,110.00	\$2,043,900.00	\$1,297,960.00	\$62,795.00	\$4,699,800.00	\$8,419,565.00
Middle Atlantic	\$5,221,620.00	\$22,410,550.00	\$8,974,750.00	\$313,470.00	\$25,739,200.00	\$62,659,590.00
Mountain	\$544,970.00	\$2,587,950.00	\$930,130.00	\$27,325.00	\$3,571,400.00	\$7,661,775.00
New England	\$2,626,030.00	\$10,901,650.00	\$4,665,760.00	\$176,985.00	\$13,524,600.00	\$31,895,025.00
North	\$446,260.00	\$4,447,950.00	\$1,247,980.00	\$70,590.00	\$2,775,050.00	\$8,987,830.00
Pacific	\$3,476,940.00	\$10,764,050.00	\$5,118,470.00	\$187,995.00	\$11,588,450.00	\$31,135,905.00
South Atlantic	\$4,915,100.00	\$21,920,550.00	\$8,461,800.00	\$349,440.00	\$28,056,900.00	\$63,703,790.00
Web(R)	\$2,515,940.00	\$10,750,100.00	\$5,646,810.00	\$270,735.00	\$18,486,450.00	\$37,670,035.00
West North Central	\$284,920.00	\$2,666,650.00	\$618,500.00	\$8,150.00	\$1,727,600.00	\$5,305,820.00
West South Central	\$4,658,400.00	\$9,567,800.00	\$5,174,070.00	\$211,315.00	\$15,993,100.00	\$35,604,685.00
<b>Total</b>	\$29,037,020.00	\$116,048,000.00	\$50,579,520.00	\$1,953,460.00	\$150,666,200.00	\$348,284,200.00

Sum

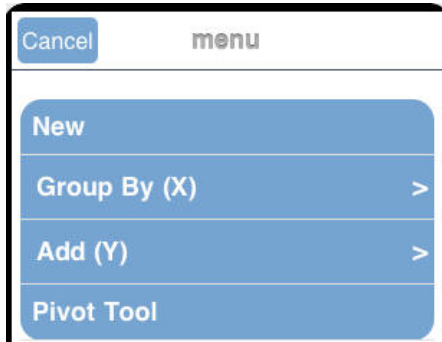
Beneath the pivot table is the active pivot tool bar, which contains the icons described in the following table.

Icon	Description
	Displays the active pivot menu.
	Freezes the pivot table. You can link or unlink a pivot table to the filters that you have applied in your report using the Freeze Pivot icon. The icon indicates whether the report is linked to the filter (Freeze Pivot) or not (UnFreeze Pivot).
	Changes the aggregation method.

## Using the Pivot Menu

The pivot menu and its submenus allow you to select multiple columns from those available in the report, including hidden and NOPRINT columns.

The following image shows the pivot menu.



You can:

- ❑ Tap *New* to create a copy of the same pivot table on a new Pivot tab.
- ❑ Tap *Original View* or *Fullscreen* to display the report in the desired viewing mode.
- ❑ Tap *Group By (X)* to change the column selected for the X-axis (the Group By field) or add any column available in the report, including hidden and NOPRINT columns. On the *Group By (X)* submenu, the Group By and Across columns used in the existing pivot table are displayed at the top of the column names and are selected (checked) by default. You can switch Group By and Across columns using the arrow icons in the pivot table at run time.

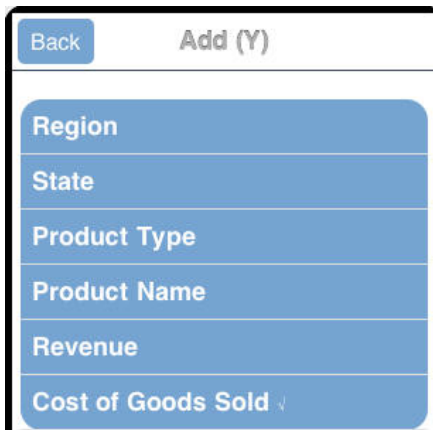
The following image shows a sample Group By (X) submenu. The Product Type column is used for the Across column and the Region column is used for the Group By column in the existing pivot table.



Tap once to select an additional column, or tap again to deselect the column. Once you select or deselect a column, the Pivot tab displays the modified pivot table, reflecting all the changes.

- ❑ Tap *Add (Y)* to change the column selected for the measure field to any column available in the report, including hidden and NOPRINT columns. On the *Add (Y)* submenu, the measure column used in the existing report is selected by default.

The following image shows a sample *Add (Y)* submenu. The column *Cost of Goods Sold* is the measure field for the existing report.



Tap once to select a column, or tap again to deselect the column. Once you select or deselect a column, the Pivot tab displays the modified pivot table, reflecting all the changes.

## Using Data Visualization

Tap *Visualize* to add or remove visualization bars to the selected column. The Visualize option is available for numeric data columns.

## Hiding or Restoring a Column

Tap *Hide Column* to suppress the display of the selected column in the report.

Tap *Show All* to restore all the hidden columns to the report.

Tap *Show Columns* to list the names of the columns that are hidden in the report, allowing you to individually restore a column.

Tap the name of a specific column in the hidden columns list to restore that column to the report.

The Show All and Show Columns options are available only when there are hidden columns in the report.

## Freezing or Unfreezing a Column

Tap *Freeze Column* to freeze the selected column and all the columns to the left of it. You cannot scroll left or right within the frozen part of the report, but you can scroll up and down within the frozen part. You can scroll in any direction in the unfrozen part of the report.

Tap *Unfreeze All* to unfreeze all the frozen columns in the report.

In full-screen Web app view, the column titles and report headings will stay fixed as you scroll through the report when the Freeze Column option is turned on.

## Controlling the Number of Records Per Page

Tap *Show Records* or touch the right arrow for the Show Records menu option to list the groups of records available for display per page in the report. On the Show Records menu, you can:

- ❑ Tap a group of records (for example, *20 Records*) to display, per page, only the number of records in that group.
- ❑ Tap *Default* to display the number of records (lines) per page that is specified in the Web Query report procedure.

- ❑ Tap *Show All* to display all the records in a single page.



## Restoring a Report to Its Original State

Tap *Restore Original* to restore the active report to its default state specified in the Web Query report procedure.

## Unsupported Menu Options

The following menu options are not supported by Active Technologies for Mobile Web Apps.

- ❑ Comments
- ❑ Send as E-mail
- ❑ Save Changes
- ❑ Grid Tool
- ❑ Chart/Rollup Tool
- ❑ Pivot Tool
- ❑ Export and Export to for a chart

- ❑ Print
- ❑ Window
- ❑ Accordion

**Note:** Active cell menus are not supported.

## Running an Active Dashboard on a Mobile Device


**How to:**  
Apply a Filter to a Dashboard

The following image shows a sample active dashboard that is running on an iPad.




The dashboard bar at the top of an active dashboard contains the page layout tabs and global filter drop-down list. On mobile devices, the bar is floating instead of fixed, making the available functions always accessible, no matter where you move within the dashboard.

You can use standard gestures on an active dashboard to scroll left and right or up and down, or zoom in and zoom out.

You can tap the *Full Screen* icon  on the right edge of the pagination bar for an individual grid or on the right edge of a chart tool bar or pivot tool bar to view the grid, chart, rollout table, or pivot table on the dashboard in full-screen mode.

## Procedure: How to Apply a Filter to a Dashboard

1. Tap the Global Filter icon  to apply a filter to the dashboard.  
The Global Filter dialog box opens under the dashboard bar.
2. Tap the *Add Condition* button to add the new filter.
3. Select the filter condition and value, and tap the *Filter* button.
4. Tap the Global Filter icon again to hide the Global Filter dialog box.

