



Working with View Explorer

Stratum.Viewer 6

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Getting Started

Access to View Explorer

Users with an advanced, view administrator, or security administrator user profile level can access view explorer.

Introduction to View Explorer

View explorer is used to see the core elements in a view definition and to quickly customize the layout or drill down path of a view. It is also used to access the Properties window for items in the view and folders in view explorer, and to invoke pop-up menus that have options for carrying out key functions in the view. View explorer is recommended if you are making a series of edits and don't want to refresh the grid until the last edit has been made. All edits will be applied once you click OK in the Apply Changes window.

Only those elements in the view definition that your role allows you to access will display in view explorer. The elements are organized into a tree structure that has expandable/collapsible folders for the view name, parameters, grid, rows, columns, view filter, measure items, presentation type and prompting, and charts.

Color-coding is used to help you distinguish which items will be visible in the grid and which will remain hidden as you drill through the view. For example, blue items are those visible in the current drilldown state of the view and black items are not currently visible but will be once you drill to them. Grey objects are part of the view definition but not actively being used in the view; therefore, they will remain hidden no matter where you drill to in the view.

See [View Explorer](#) for complete descriptions of all parts of this interface.

The screenshot displays the View Explorer interface. At the top, there are navigation icons and a status bar showing '1 to 12 of 12' and '1 to 4 of 4'. The main area is divided into a data grid and a tree view.

View Name: Prod ABC Class and Ship-To Sales Weeks YTD
View Filter: Product ABC Class

Customer Ship-To	Actual Sales Sales Amount Wk 1 2014 to Wk 38 2014	% of Total Sales Amount	Actual Sales Sales Units Wk 1 2014 to Wk 38 2014	% of Total Sales Units
Wilder Foods -- St Louis MO WOB	\$8,691,180	.80%	210,871	.85%
Wilder Foods -- St Louis MO WOJ	\$7,822,062	.72%	189,784	.76%
Wilder Foods -- St Louis MO WOI	\$7,387,503	.68%	179,240	.72%
Wilder Foods -- St Louis MO WOH	\$6,952,944	.64%	168,197	.68%
Wilder Foods -- St Louis MO	\$6,714,500	.63%	163,197	.63%
Wilder Foods -- St Louis MO WOG	\$6,514,500	.61%	158,197	.61%
Wilder Foods -- St Louis MO WOF	\$6,014,500	.57%	148,197	.57%
Wilder Foods -- St Louis MO WOE	\$5,614,500	.53%	138,197	.53%
Wilder Foods -- Buffalo NY WOB	\$5,514,500	.49%	129,749	.52%
Wilder Foods -- St Louis MO WOD	\$5,214,708	.48%	126,523	.51%
All Others	\$1,023,037,822	93.90%	23,304,837	93.50%
Grand Total	\$1,089,490,357		24,924,075	

View Explorer Tree Structure:

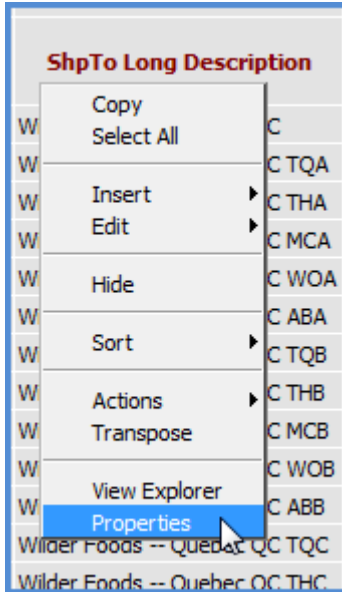
- Prod ABC Class and Ship-To Sales Weeks YTD
 - Parameter Groups
 - Grid
 - Rows
 - Customer Ship-To
 - Product Category
 - Product
 - Product Long Description
 - Product Category Role
 - Columns
 - View Filter
 - Product ABC Class
 - Product Brand
 - Measure Items
 - Actual Sales Sales Amount Wk 1 2014 to Wk 38 2014
 - % of Total Sales Amount
 - Actual Sales Sales Units Wk 1 2014 to Wk 38 2014
 - % of Total Sales Units
 - Actual Sales Sales Amount Wk 38 2014
 - Actual Sales Sales Units Wk 38 2014
 - Presentation
 - Charts

An "Apply Changes?" dialog box is overlaid on the grid, with "OK" and "Cancel" buttons.

Tasks

Access the Properties Windows

Right-click an item in the grid or view explorer, and then select Properties to access the item's properties.




Edit the Order of View Objects Using Drag and Drop

Steps for:

- [Measure Items](#)
- [Levels](#)
- [Attribute Relationships](#)

Measure Items

1. In the grid or [view explorer](#), click the caption of the measure item that you want to move and continue holding down the mouse button to display this symbol  followed by the caption.
2. Drag the measure item to the new location and release the mouse button to drop it in that location.
 - If you drop it on the caption of another measure item, it will be positioned **after** that other measure item.
 - If you are working in the grid and want to position the measure item **first** on the measure items axis:
 - If measure items are on columns, drop it on the last header cell on rows.
 - If measure items are on rows, drop it on the last header cell on columns.


OR

- If you are working in view explorer and want to position the measure item **first** on the measure items axis, drop it on the Measure Items folder.


Note: If you are working with distinct calculated measure items, you will be permitted to only drop the items before or after all regular or calculated measure items.

Levels


In the Grid

1. Click the name of the level that you want to move and continue holding down the mouse button to display this symbol  followed by the name.
2. Drag the level to the new location and release the mouse button to drop it in that location.
 - If you drop it on the name of another level, it will be positioned **after** that other level. You may need to do some drilling down before your drag and drop if other levels are not yet visible.
 - If you drop it on the detail cell (member) of another level, it will be positioned **after** that other level and drilled down on by that member.
 - To position it **first** on rows or columns, drag it over one of the shaded, selector cells that exist around the border of the grid, and drop it there.
 - To position it **first** in the View Filter section, drag it over the section header and drop it there.


In [View Explorer](#)

1. Click the name of the level that you want to move or click the name of its hierarchy and continue holding down the mouse button to display this symbol  followed by the name.
2. Drag the level or its hierarchy to the new location in the Rows, Columns, or View Filter folder and release the mouse button to drop it in that location.
 - To position it **after** another level, drag it over the name of the hierarchy for that other level and drop it there.
 - To position it **first** before all other hierarchies and levels in a folder, drag it over the folder name (Rows, Columns, or View Filter) and drop it there.

Attribute Relationships

1. In the grid or [view explorer](#), click the name of the attribute relationship that you want to move and continue holding down the mouse button to display this symbol  followed by the name.
2. Drag the attribute relationship to the new location and release the mouse button to drop it in that location.
 - If you drop it on the name of another attribute relationship within a level, it will be positioned **after** that other attribute relationship.
 - To position the attribute relationship **first** before all other attribute relationships for a level, work from within view explorer and drop it on its level name.

Edit View Explorer Display Preferences

1. Right-click the Settings button  in the top panel and select User Options.
2. Change the Show View Explorer property in the [User Options window](#):
 - Select the checkbox if you want view explorer to display automatically when you run a view.
 - Leave the checkbox deselected if you do not want view explorer to display automatically. You can manually open it from the view toolbar.

Note: The Show View Explorer setting is not available to casual users.

3. Save  the changes.

Open and Close View Explorer

Open

Click the Show / Hide View Explorer icon  in the grid toolbar.

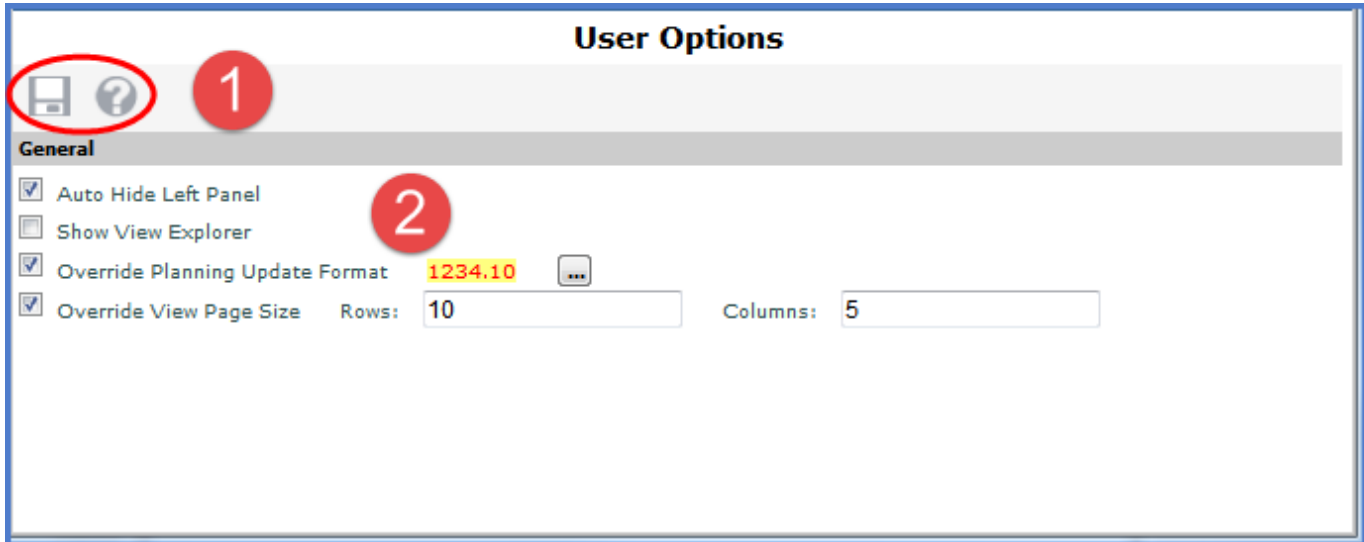
Close




Click the Show / Hide View Explorer icon again, or click the 'X' in the upper right corner of view explorer.

Use View Explorer Pop-up Menus as Task Shortcuts

1. Right-click one of the following types of objects in [view explorer](#) to display a pop-up menu of available tasks related to that object or to access the Properties window for the object.
 - View name folder
 - Parameter Groups folder or individual parameters
 - Grid folder
 - Rows, Columns, or View Filter folder or their hierarchies, levels, or attribute relationships
 - Measure Items folder or individual measure items
 - Presentation folder
 - Charts folder or individual charts
2. Choose a pop-up menu option to execute the desired task.
 - See [View Explorer Pop-Up Menus](#) for detailed descriptions of menus and options.
 - When there are additional choices to make or properties to set up, the relevant window(s) for completing the task will be displayed after you have selected the pop-up menu option – such as for Edit Rows, Columns, or View Filter tasks or Insert Regular Measure Item tasks.

User Options Window



1	<p>Toolbar -</p> <ul style="list-style-type: none"> • Save  – Click to save edits to your user options. • Help  – Click to open help that is specific to working with user options.
2	<p>Auto Hide Left Panel – when selected, the left panel will hide automatically after you run a view from it. If you prefer that the left panel remain visible, leave this option deselected.</p> <p>Show View Explorer – when selected, view explorer will display automatically when you run a view. Otherwise, it will not display automatically, but you can manually open it from a view toolbar.</p> <hr/> <p>Note: The Show View Explorer setting is not available to casual users.</p> <hr/> <p>Override Planning Update Format – when selected, you can customize the format for planning updates that you make in your views. The Browse button  will be enabled. Click it to open the Select Format window and determine background color, font color, and other font properties for cells and values impacted by planning updates that you make in views.</p> <p>Override View Page Size – when selected, you can control how many rows and columns display per page for views that are run in page mode (also known as collapsed mode). Enter a numeric value in the Rows and Columns fields.</p>

View Explorer

The screenshot displays two windows: 'View Explorer' and 'Properties - Customer Ship-To Sales'. The View Explorer window shows a hierarchical tree structure for 'Customer Ship-To Sales'. The tree includes folders for 'Parameter Groups', 'Grid', 'Rows', 'Columns', 'View Filter', 'Measure Items', and 'Presentation'. Under 'Grid', there is a 'Customer Ship-To' folder containing 'ShpTo Long Description', 'ShpTo Contact', and 'ShpTo Country'. Under 'View Filter', there are 'Product ABC Class' and 'Product Brand'. Under 'Measure Items', there are 'Actual Sales Amount Q3 2014', '% of Total', 'Actual Sales Amount Q3 2013', and '% of Total'. Under 'Presentation', there is a 'Charts' folder containing 'Bar Chart Sales Analysis'. Red circles and arrows highlight these elements: 1 points to the root folder, 2 to the Grid folder, 3 to the Customer Ship-To folder, 4 to the View Filter folder, 5 to the Measure Items folder, and 6 to the Charts folder. The Properties window shows details for 'Customer Ship-To Sales', including Name, Description, Type, Owner, Planning, View Group, and Server.

Name	Customer Ship-To Sales
Description	Current Quarter Current Yr vs Prior Year
Type	Shared
Owner	Karen Jones
Planning	No
View Group	My Reports Planning Analysis Sales Team Analysis Specialty Reports
Server	

The elements in view explorer are organized into a tree structure that has expandable/collapsible folders. Folders are described in the following table. Color-coding is used throughout to help you distinguish which items will be visible in the grid and which are hidden.

- **Items in blue text** – Any items currently shown in the grid. Their Visible property is “Yes” in their Properties window.
- **Items in black text** – Any items that are not actively shown in the grid, but that have a Visible property of “Yes.” This means they will display in the grid once you reach them in the drill down path for the view.

- **Items in grey text** – Any items that have a Visible property of “No.” For levels, this means they will not display in the grid as you drill through it. Attribute relationships, measure items, and charts displayed in grey text also will not display in the grid. You can right-click on them anytime and select Show to make change their Visible property.

When you click an item, it is highlighted in a bright blue box like the view name, “Customer Ship-To Sales,” in the above example. When double-clicked, the Properties window of the active item opens at the bottom of the view explorer as shown in the above example. You can also right-click to invoke a pop-up menu of actions to take on items from view explorer.








1	<p>View name folder – displays the name of the view. Double-click to access the Properties window for editing basic properties like the Name, Type, Planning, and View Group properties. Administrators can use the Owner property to change the owner of a view.</p>
2	<p>Parameter Groups folder – for parameter groups and parameters within each group. As you insert groups and parameters, they will display under this folder. Each group and parameter has a related Properties window. You can drag and drop groups and parameters within each group to rearrange them.</p>
3	<p>Grid folder – The folders for Rows, Columns, View Filters, and Measure Items are organized under the Grid folder. From the Grid folder, you can access a Grid Properties window which determines if the grid is visible and if paging is enabled for the grid display.</p> <p>Rows and Columns folders – All of the included levels and attribute relationships, grouped by hierarchy, display appropriately in the Rows and Columns folder. You can move hierarchies along with their levels and attribute relationships between the Rows, Columns, or View Filter by dragging and dropping them within view explorer or into the grid from view explorer. Properties windows exist for hierarchies, levels, and attribute relationships in these folders. Use them to hide or show items, set up filters or sorting, control totals, etc.</p> <ul style="list-style-type: none"> • Hierarchies  – This image displays next to the names of hierarchies. • Levels  – Blue boxes next to a level indicate the level it is based for all the levels in its hierarchy. For example, a level with one box next to it would be the first level for its hierarchy. A level with two boxes next to it would be the second level available in its hierarchy, and so forth. • Attribute Relationships  – This image displays next to the names of attribute relationships for levels.
4	<p>View Filter folder – Levels included in the view filter. Setting up a view filter requires a level to be in the View Filter section and then applying a filter to that level. Drag or drop the desired level(s) into the View Filter section of the grid or into the View Filter folder of view explorer.</p>
5	<p>Measure Items folder – All measure items defined for this view display in the folder. You can edit, insert, remove and hide measure items from this folder. The Time Range controls the type of measure items that you can set up for the view – either measure items with time ranges (Yes) or measure items without time ranges (No). You can also use the Properties windows for individual measure items to change their caption, images, conditional formatting, pop-up labels, hyperlinks, filtering, sorting, totals, etc.</p> <ul style="list-style-type: none"> • Regular Measure Item  – This image displays next to regular measure items. • Calculated Measure Item  – This image displays next to calculated measure items. • Distinct Calculated Measure Item  – This image displays next to distinct calculated measure items.
6	<p>Presentation folder – The properties for this folder are used to set the default presentation format for the view (either Viewer or Excel) and to determine whether or not users will be prompted to choose the presentation format before the view opens for them.</p>

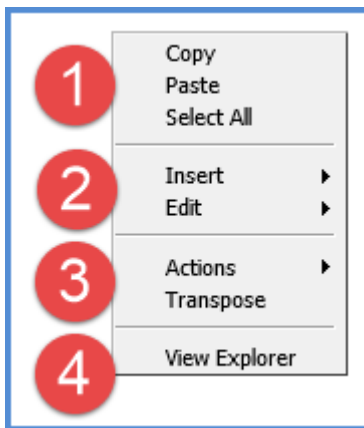
Chart folder – The Chart folder displays the names of any charts  that you have created for a view. Charts displayed in blue are currently visible in the grid. Charts displayed in grey are hidden. Charts can be dragged and dropped in the folder to change the order in which they display in the grid.

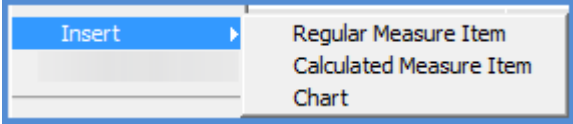
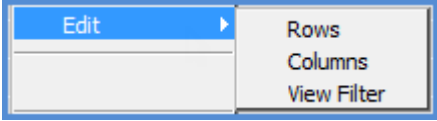
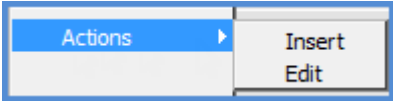
View Explorer Pop-up Menus

Right-click folders in [view explorer](#) or objects within them to display actions that you can take such as viewing the properties, hiding or showing objects, inserting measure items or charts, and so forth. Many of the functions can also be controlled through the grid and its pop-up menus, giving you several ways to make changes. From view explorer, you can make many consecutive actions and then apply them all at once. Menus described below are presented in order of the folder order in view explorer.

General Pop-up Menu

Right-click the background of view explorer to see general actions that you can take on the view.

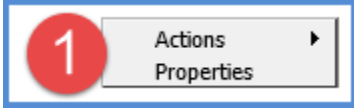


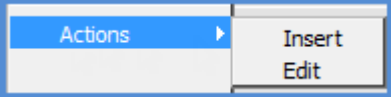
<p>1</p>	<p>Copy - This option allows you to copy sections of a view that you have selected.</p> <p>Paste - Allows you to paste data into update enabled cells. This option only shows in planning enabled views.</p> <p>Select All - Use this option to select the entire grid.</p>
<p>2</p>	<p>Insert - The sub menu has options for Regular Measure Item, Calculated Measure Item, and Chart. The Charting Data Wizard will display when inserting a new chart.</p>  <p>Edit - Edit the hierarchies on the rows, columns, or view filter.</p> 
<p>3</p>	<p>Actions – Use this option to insert new actions or to edit, process, or delete existing actions.</p>  <p>Transpose - Use this option to change the axis for levels and measure items in the grid. Objects</p>

	displayed in rows are switched to display in columns and vice versa.
4	View Explorer - This option allows you to open and close view explorer. If a Properties window is open when you close view explorer, the Properties window will also close.

View Name Folder Pop-up Menu

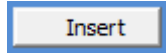
Right-click the view name (or "New View" for views not named yet) to display actions you can take.



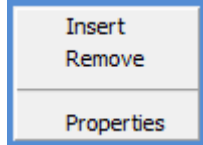
1	<p>Actions – Use this option to insert new actions or to edit, process, or delete existing actions.</p>  <p>Properties – Click to maintain overall view properties such as the name, description, and view group.</p>
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Parameter Groups Folder, Parameter Groups, and Parameters Pop-up Menus

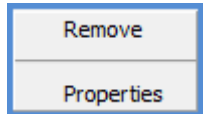
Right-click the Parameter Groups folder and select Insert to insert a new group.



Right-click the name of a parameter group to display actions that you can take on the group, which include inserting a parameter, removing the group, or maintaining the properties for the group.

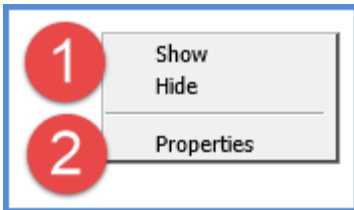


Right-click a parameter within a group to display actions that you can take on the parameter, which include removing it or maintaining its properties.



Grid Folder Pop-up Menu

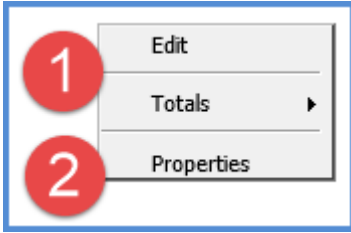
Right-click the Grid folder to display actions that you can take related to the overall grid.

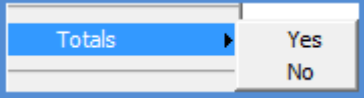


1	Show or Hide - Choosing Hide will hide the grid. If a chart is attached and visible, the chart will still show. Choose Show to display the grid again.
2	Properties - Click to maintain the grid properties including whether rows and columns display all in a single page or one page at a time.

Rows Folder and Columns Folder Pop-up Menus

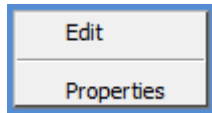
Right-click the Rows or Columns folder to display actions that you can take on the respective rows or columns axis.



1	<p>Edit - Edit the hierarchies on the selected folder -- either rows or columns.</p> <p>Totals - Control whether totals are displayed for all levels on the axis by choosing Yes or No. The Totals Default property in the Properties window for the axis also changes to reflect your choice, as does the Totals property in the Properties window for each level on that axis.</p> 
2	<p>Properties - Click to maintain the rows or columns properties including repeating values and the others summary.</p>

View Filter Folder Pop-up Menu

Right-click the View Filter folder to edit the hierarchies in the View Filter section of the view or to maintain its properties.



Hierarchies Pop-up Menu

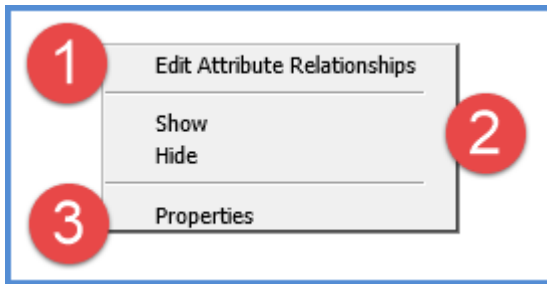
Right-click a hierarchy to display actions that you can take on it.



1	<p>Remove - This option removes the hierarchy and all its levels from the view. To add it back, you would need to use the Edit Hierarchies window.</p> <p>Show or Hide - Choosing Hide will hide the hierarchy and therefore all its levels. Choose Show to display the hierarchy and levels again.</p>
2	<p>Properties - Click to view the dimension to which the hierarchy belongs.</p>

Levels Pop-up Menu

Right-click a level to display actions that you can take on it.



1	Edit Attribute Relationship - Edit (add or remove) the attribute relationships that will be available in the view for the level.
2	Show or Hide - Choosing Hide will hide the level. Choose Show to display the level again.
3	Properties - Click to maintain the level properties including filters, sorts, totals, and display text.

Attribute Relationships Pop-up Menu

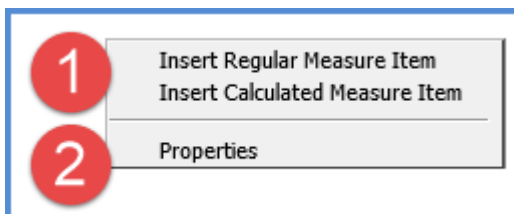
Right-click an attribute relationship to display actions that you can take on it.



1	Remove - This option removes the attribute relationship from the view. To add it back, you would need to use the Edit Attribute Relationships window. Show or Hide - Choosing Hide will hide the attribute relationship. If you plan on using the attribute relationship as the display text for the level, you should hide the attribute relationship. Choose Show to display the attribute relationship again.
2	Properties - Click to maintain the attribute relationship properties including sorts.

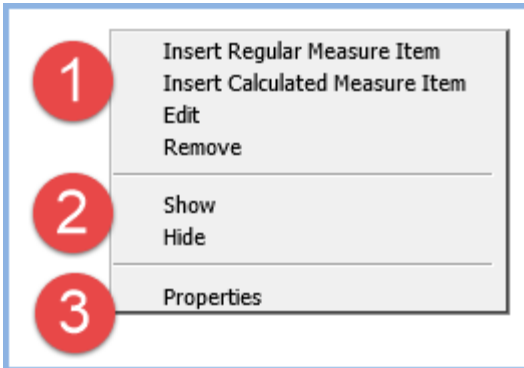
Measure Items Folder and Individual Measure Items Pop-up Menus

Right-click the Measure Items folder to display actions that you can take on the measure items axis or to control the Time Range property for the view.



1	<p>Insert Regular Measure Item - Opens the Insert Measure Item window for inserting a new regular measure items and opens a Properties window for the new measure item.</p> <p>Insert Calculated Measure Item - Opens the Expression window for inserting a new calculated measure items and opens a Properties window for the new measure item.</p>
2	<p>Properties - Click to maintain the properties for the measure items axis, such as which axis measure items will be displayed and whether the Time Range property will be Yes or No.</p>

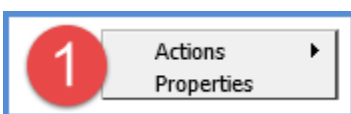
Right-click an individual measure item to display actions that you can take on it or to insert new measure items.



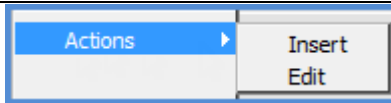
1	<p>Insert Regular Measure Item - Opens the Insert Measure Item window for inserting a new regular measure items and opens a Properties window for the new measure item.</p> <p>Insert Calculated Measure Item - Opens the Expression window for inserting a new calculated measure items and opens a Properties window for the new measure item.</p> <p>Edit - For regular measure items, opens the Edit Measure Item window with that measure item selected for editing. You can edit that measure item or any other regular measure items. For calculated measure items, opens the Expression window so you can edit the measure item expression.</p> <hr/> <p>Note: Another way to access the Edit Measure Item window or Expression window is to double-click the caption of the respective regular or calculated measure item in the view grid.</p> <hr/> <p>Remove - Removes the measure item from the view definition. Any measure items dependent on the removed measure item also will be removed from the view, but you will be warned that those will also be removed.</p>
2	<p>Show or Hide - Choosing Hide will hide the measure item. Choose Show to display the measure item again.</p>
3	<p>Properties - Click to maintain the measure items properties including caption, filter, sorts, totals, and format string.</p>

Presentation Folder Pop-up Menu

Right-click the Presentation folder display actions you can take on it.



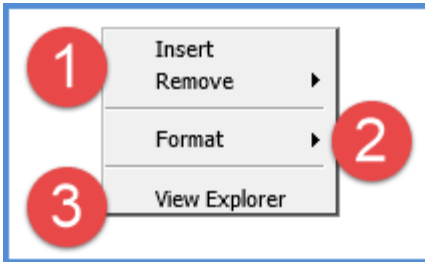
1	<p>Actions – Use this option to insert new actions or to edit, process, or delete existing actions.</p>
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Properties – Click to maintain Presentation properties such as setting the default presentation type to Viewer or Excel.

Charts Folder and Individual Charts Pop-up Menus

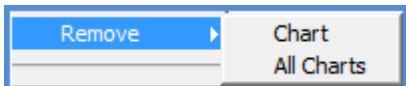
Right-click the Charts folder to display actions that you can take on it.

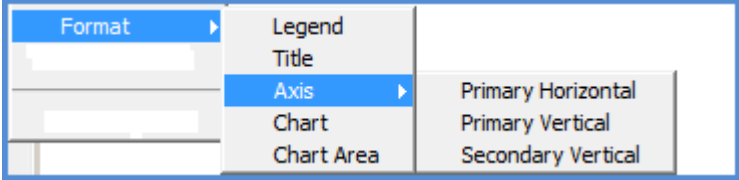


1	<p>Insert - Click to insert a new chart. The Chart Data Wizard opens for setting up the chart.</p> <p>Remove - Click and select the All Charts option to remove all charts attached to the view, whether hidden or visible. Remove option is only available if a chart is included in the view definition.</p> 
2	<p>Format - Click and select the Chart Area option to change the formatting for the entire area where all charts display. The Format Chart Area window opens.</p> 
3	<p>View Explorer - Click to close view explorer.</p>

Right-click an individual chart to display actions that you can take on it or to insert new charts.



1	<p>Insert - Click to insert a new chart. The Chart Data Wizard opens for setting up the chart.</p> <p>Remove - Click and select the Chart option to remove only the selected chart. Or select the All Charts option to remove all charts attached to the view, whether hidden or visible.</p> 
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2	<p>Show or Hide - Choosing Hide will hide the chart. If the grid is visible, it will remain even when the chart is hidden. Choose Show to display the chart again.</p>
3	<p>Format - Click and select from the provided sub-menu to edit formatting for the selected chart. The applicable window will display.</p> <ul style="list-style-type: none"> • Legend - Opens the Format Chart Legend window. • Title - Opens the Format Chart Title window. • Axis - Options are provided for accessing the windows to edit the applicable axis for the chart -- Primary Horizontal, Primary Vertical, or Secondary Vertical. Not all charts have a secondary axis. • Chart - Opens the Format Chart window. • Chart Area - Opens the Format Chart Area window.  <p>Data Wizard - Click to access the Chart Data Wizard for editing basic aspects of the chart such as the types, series or data points.</p>
4	<p>View Explorer - Click to close view explorer.</p>

Advanced Concepts

Using View Explorer vs. the Grid to Make View Edits

View explorer is recommended if you are making a series of edits and don't want to refresh the grid until the last edit has been made. All edits will be applied once you click OK in the Apply Changes window.

If you are making one or only a few simple edits, then make them directly from the grid and it will refresh after each edit. The Apply Changes window doesn't display in this case.

Frequently Asked Questions (FAQ's)

What Happened to a Hierarchy that Used to be in my View?

Hierarchies can be removed when:

- The Time Range property for the view changes. That change can impact time hierarchies and measure items.
- The hierarchy or its dimension was removed from Stratum.Connector for Viewer and is no longer available to any users.

Example Time Range Property Changes

All time hierarchies will be removed from a view if you change the Time Range property from No to Yes. Changing the property to Yes lets you use measure items with time ranges in the view. In that case, time hierarchies are irrelevant and will be removed from the view.

Here is a view that has a Time Range property of No and a time hierarchy on columns.

The screenshot shows a data viewer interface. The main table displays sales and return data for various product brands across two time periods: Last Year and Current Year. The table has columns for Product Brand, Actual Sales Sales Amount, Actual Sales Sales Return Amount, Avg Selling Price, and Grand Total. The 'Year Based' property is highlighted in red in the top left corner of the table. The 'View Explorer' pane on the right shows the view structure, including a 'Measure Items' section with a 'Time Range' property set to 'No'.

Year Based >>	Last Year			Current Year			Grand Total
Product Brand	Actual Sales Sales Amount	Actual Sales Sales Return Amount	Avg Selling Price	Actual Sales Sales Amount	Actual Sales Sales Return Amount	Avg Selling Price	Actual Sales Sales Return Amount
001	\$219,714,514	(\$5,238,861)	\$73.50	\$114,676,083	(\$3,990,680)	\$60.55	\$334,421,194
002	\$211,890,144		\$50.38	\$111,042,281		\$41.64	\$322,932,425
003	\$83,949,551	(\$1,910,552)	\$40.19	\$43,983,258	(\$1,495,289)	\$33.20	\$127,444,269
004	\$83,111,646		\$39.62	\$43,378,734		\$32.69	\$126,490,380
005	\$133,139,883		\$40.15	\$63,128,802		\$31.57	\$196,268,685
006	\$338,622,179	(\$3,120,184)	\$53.68	\$170,166,007	(\$2,139,650)	\$43.70	\$508,488,152
007	\$142,533,378	(\$23,278,980)	\$71.93	\$79,144,319	(\$19,568,638)	\$61.00	\$221,368,709
008	\$197,558,944	(\$4,759,540)	\$74.24	\$94,272,463	(\$3,337,618)	\$58.69	\$291,830,857
009	\$2,454,159,441	(\$16,049,978)	\$57.59	\$1,267,708,214	(\$12,918,195)	\$47.86	\$3,721,867,457
010	\$612,589,932	(\$6,304,395)	\$66.39	\$316,512,558	(\$4,912,565)	\$54.81	\$929,102,495
011	\$1,580,950,431	(\$11,950,493)	\$47.32	\$830,002,124	(\$9,666,619)	\$39.31	\$2,410,952,942
012	\$635,134,071		\$95.39	\$302,476,284		\$75.20	\$937,610,355
999	\$274,796,235	(\$6,585,116)	\$43.96	\$144,673,472	(\$5,464,640)	\$36.31	\$419,311,621
Grand Total	\$6,968,150,351	(\$79,198,098)	\$56.28	\$3,581,164,599	(\$63,493,893)	\$46.27	\$10,547,956,702

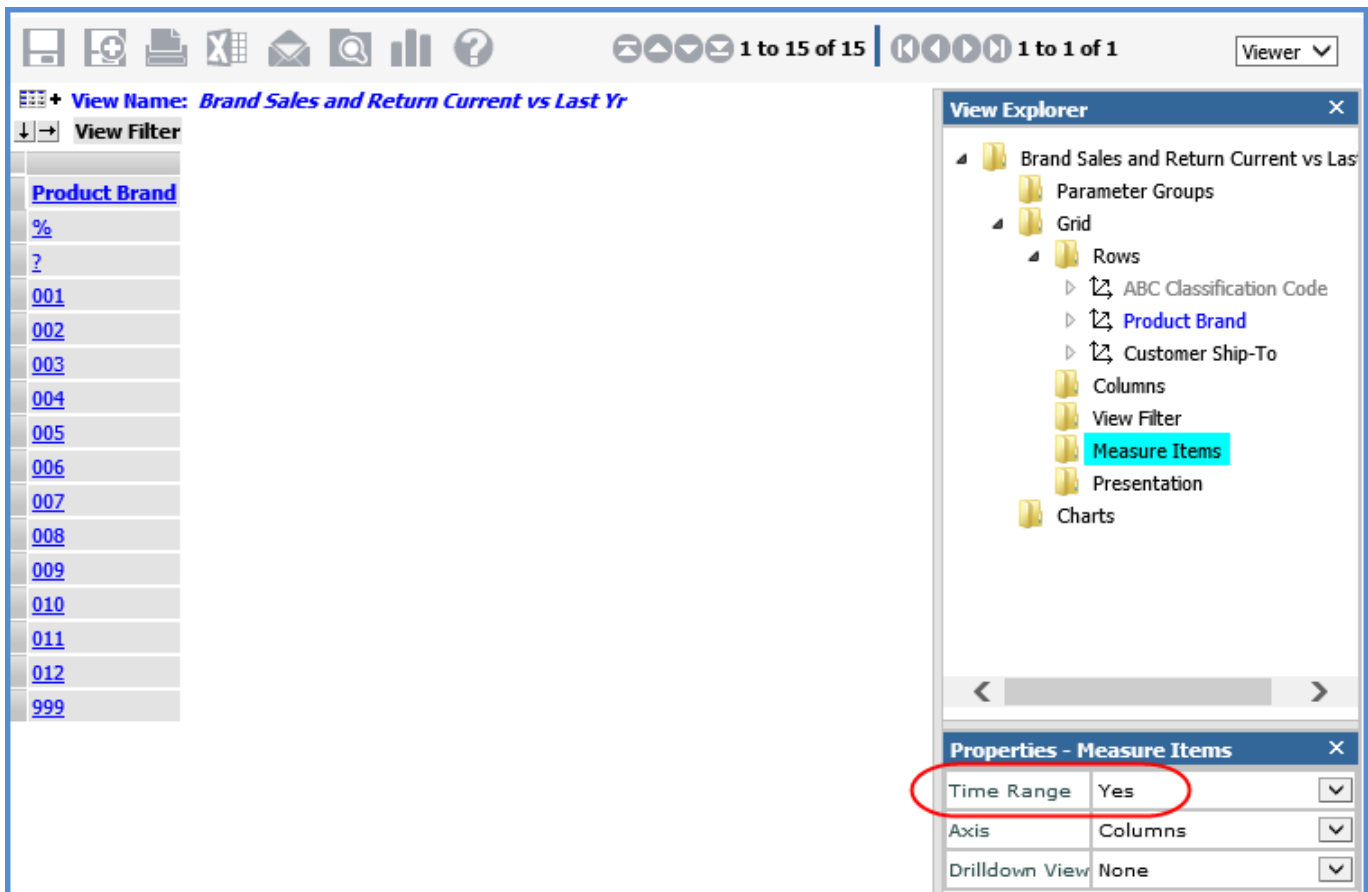
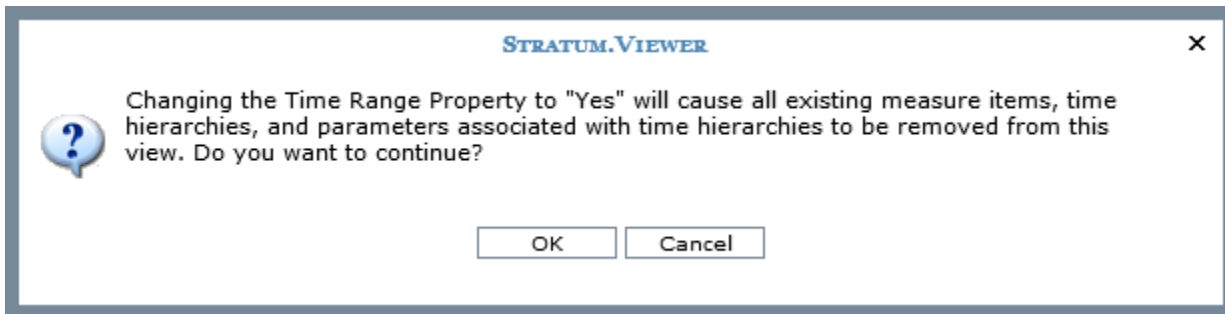
View Explorer

- Brand Sales and Return Current vs
- Parameter Groups
- Grid
 - Rows
 - ABC Classification Code
 - Product Brand
 - Customer Ship-To
 - Columns
 - Year Based Weeks Base
 - View Filter
 - Measure Items
 - Actual Sales Sales Amou
 - Actual Sales Sales Units
 - Actual Sales Sales Retu
 - Actual Sales Sales Retu
 - Avg Selling Price

Properties - Measure Items

Time Range	No	▼
Axis	Columns	▼
Drilldown View	None	▼

Here is the view after the Time Range property was changed to Yes, and here is the related prompt that displayed to confirm the change. Time hierarchies were removed, as were all measure items (they did not have time ranges). Measure items with time ranges can be added to the view after this change to the Time Range property.



What Happened to a Measure Item that Used to be in my View?

Measure items can be removed when:

- The [Time Range property](#) for the view changes. That change can impact measure items and time hierarchies.
- Your administrator [changes the role](#) for your user profile such that you no longer have permission to access the underlying measure for the measure item.
- The underlying measure was removed from your Stratum.Connector for Viewer environment and is no longer available to any users.

Example Time Range Property Changes

All measure items will be removed from a view if you change the Time Range property. Changing the property to No lets you use time hierarchies in the view. In that case, all measure items (they will have time ranges) will be removed. Changing the property back to Yes lets you use measure items with time ranges in the view. In that case, all measure items (they will not have time ranges) and all time hierarchies will be removed from the view.

Here is a view that has a Time Range property of Yes and measure items with time ranges on rows.

The screenshot shows a BI tool interface with a data table and a View Explorer pane. The table displays various cost and sales metrics for 'Wilder Foods -- Quebec QC' across different quarters. The View Explorer pane shows a tree structure with 'Measure Items' selected. A 'Properties - Measure Items' dialog is open, showing 'Time Range' set to 'Yes'.

Order Type >>	Phone		
Customer Ship-To >>	Wilder Foods -- Quebec QC	Wilder Foods -- Quebec QC TQA	Wilder Foods -- Quebec QC
ShpTo Contact	Deborah Tailor	Deborah Tailor	Deborah Tailor
ShpTo Default Warehouse	20	20	20
Actual Sales Freight Cost Q1 10 to Q4 16	\$192,222	\$35,611	
Actual Sales Ext Standard Cost Q1 10 to Q4 16	\$3,871,801	\$660,497	\$1:
Actual Sales Ext Handling Cost Q1 10 to Q4 16	\$68,397	\$12,000	
Actual Sales Calc Values Sales Avg Selling Price Q1 10 to Q4 16	\$45.05	\$40.10	
Actual Sales			

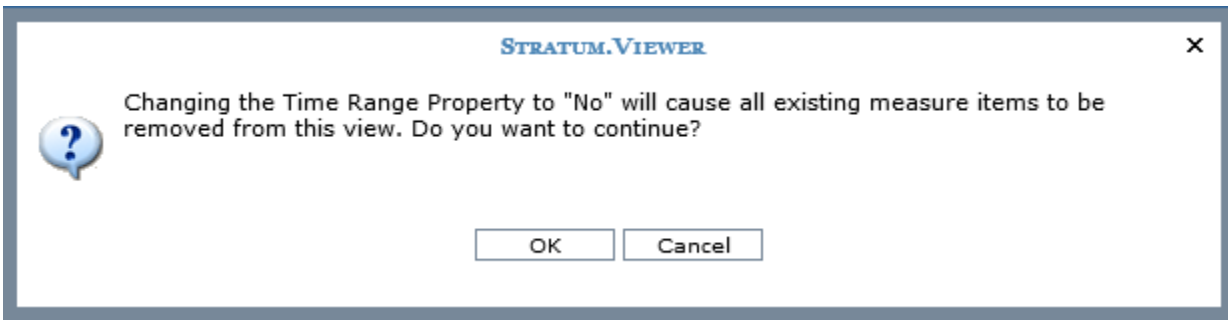
View Explorer

- Costs and Sales Details by Order Ty
 - Parameter Groups
 - Grid
 - Rows
 - Columns
 - Facility
 - Order Type
 - Customer Ship-To
 - View Filter
 - Measure Items
 - Actual Sales Freight Co
 - Actual Sales Ext Standa
 - Actual Sales Ext Handlir
 - Actual Sales Calc Values
 - Actual Sales Sales Units
 - Actual Sales Sales Units
 - Budget Budget Units Fr
 - Budget Budget Units Fr
 - Forecast Baseline Forec

Properties - Measure Items

Time Range	Yes
Axis	Rows
Drilldown View	None

Here is the view after the Time Range property was changed to No. Also shown is the related prompt that displayed to confirm the change. All measure items were removed. Measure items without time ranges and time hierarchies can be added to the view after this change to the Time Range property.



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View Name: *Costs and Sales Details by Order Type*

View Filter

Order Type >>	Phone			
Customer Ship-To >>	% ?	Wilder Foods -- Quebec QC	Wilder Foods -- Quebec QC TQA	Wilder Foods -- Que
ShpTo Contact	% ?	Deborah Tailor	Deborah Tailor	Deborah T
ShpTo Default Warehouse	% ?	20	20	20

View Explorer

- Costs and Sales Details by Order Type
 - Parameter Groups
 - Grid
 - Rows
 - Columns
 - Facility
 - Order Type
 - Customer Ship-To
 - View Filter
 - Measure Items
 - Presentation
 - Charts

Properties - Measure Items

Time Range	No	▼
Axis	Rows	▼
Drilldown View	None	▼

Example Role Changes

Your role determines which dimension members and measures you can access in views and other parts of Stratum.Viewer. Roles can be changed over time. If your administrator changes your role to remove access to a measure, then you will no longer see that measure or measure items that were based on it in views.

Here is a view run by a user with access to all Actual Sales and Budget measures.

View Name: <i>Ship-To Market Sales vs Budget</i>				
View Filter Product Family				
Ship-To Market	Actual Sales Amount Sep 2013 to Sep 2014	Actual Sales Units Sep 2013 to Sep 2014	Budget Amount Sep 2013 to Sep 2014	Budget Units Sep 2013 to Sep 2014
St Louis	\$803,219,776	17,548,405	\$772,086,618	14,528,668
Buffalo	\$532,310,973	11,459,143	\$510,366,324	9,439,746
Quebec QC	\$492,804,378	9,789,136	\$473,964,188	8,115,032
Raleigh-Durham	\$459,958,588	9,571,016	\$435,506,429	7,799,708
Chicago	\$457,674,858	9,441,385	\$439,927,759	7,781,036
Winnipeg MB	\$403,255,801	7,267,792	\$384,956,677	5,954,531
Calgary AB	\$397,883,599	8,250,921	\$377,698,181	6,752,784
Philadelphia	\$394,261,089	8,475,334	\$376,833,958	6,981,698
Phoenix	\$324,955,310	5,972,644	\$310,437,407	4,883,232
Dallas	\$319,168,526	5,982,339	\$302,735,157	4,889,418
Seattle	\$313,696,224	5,798,091	\$298,104,090	4,743,124
Pittsburgh	\$125,852,545	2,252,784	\$119,858,224	1,848,107
St. John NB	\$121,044,177	2,281,431	\$113,290,711	1,845,710
Grand Total	\$5,146,085,844	104,090,420	\$4,915,765,722	85,562,793

Here's what the user will see when she runs the view after her role is changed to prevent access to all Budget measures. The measure items based on Budget measures are no longer visible.

View Name: <i>Ship-To Market Sales vs Budget</i>		
View Filter Product Family		
Ship-To Market	Actual Sales Amount Sep 2013 to Sep 2014	Actual Sales Units Sep 2013 to Sep 2014
St Louis	\$803,219,776	17,548,405
Buffalo	\$532,310,973	11,459,143
Quebec QC	\$492,804,378	9,789,136
Raleigh-Durham	\$459,958,588	9,571,016
Chicago	\$457,674,858	9,441,385
Winnipeg MB	\$403,255,801	7,267,792
Calgary AB	\$397,883,599	8,250,921
Philadelphia	\$394,261,089	8,475,334
Phoenix	\$324,955,310	5,972,644
Dallas	\$319,168,526	5,982,339
Seattle	\$313,696,224	5,798,091
Pittsburgh	\$125,852,545	2,252,784
St. John NB	\$121,044,177	2,281,431
Grand Total	\$5,146,085,844	104,090,420

Why can't I Access View Explorer?

This happens if you have a casual level of access in Stratum.Viewer.

Definitions

Attribute Relationship

Attribute relationships provide supplementary, descriptive information about levels. For example, a Customer level may have members (Customers) with attribute relationships such as address, contact person, long description, phone number, and region.

Attribute relationships can be used in several ways, such as displayed on rows and columns of views, used for filtering purposes, and used to build user list expressions. They are also used as display columns and for searching purposes in the Select and Advanced Select Members windows.

Calculated and Distinct Calculated Measure Item

Calculated measure items are based on expressions that you set up in the Expression window. The measure items are calculations between pieces of data or groups of data. They can represent additions, subtractions, multiplications, divisions, etc. And, their expressions can be built using regular measure items, other calculated measure items, measures, members, named sets, and special functions such as an average, variances, and percent of total.

Calculations for a calculated measure item are executed for each member of a level. A calculated measure item with its Distinct property enabled is known as a distinct calculated data item, and the calculations for that type of measure item are executed once for each level rather than individually for each level member. In the following view, Var % YTD 2012 vs 2013 is a calculated measure item that is executed for Division F and G. The last measure item, % of Total 2013, is a distinct calculated measure item performed for the overall Division level.

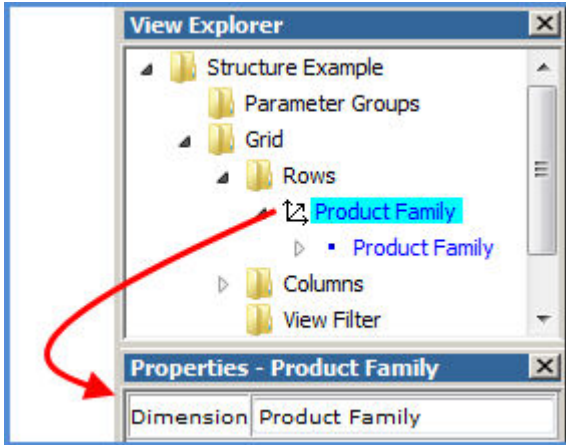
View Name: Lot Variance YTD										
View Filter										
Division >>	F			G			Grand Total			
Div Long Description	Foodservice Division			Grocery Division						
Lot	Daily Sales Amount Jan 2012 to Sep 2012	Daily Sales Amount Jan 2013 to Sep 2013	Var % 2012 vs. 2013	Daily Sales Amount Jan 2012 to Sep 2012	Daily Sales Amount Jan 2013 to Sep 2013	Var % 2012 vs. 2013	Daily Sales Amount Jan 2012 to Sep 2012	Daily Sales Amount Jan 2013 to Sep 2013	Var % 2012 vs. 2013	% of Total 2013
19994336914001				\$5,035	\$5,078	.85%	\$5,035	\$5,078	.85%	.03%
19994336914002				\$5,895	\$5,959	1.09%	\$5,895	\$5,959	1.09%	.03%
19994336914003	\$7,384	\$7,469	1.15%	\$14,461	\$14,634	1.19%	\$21,845	\$22,103	1.18%	.11%
19994336914004				\$10,370	\$10,495	1.22%	\$10,370	\$10,495	1.22%	.05%
19994336914008	\$11,702	\$11,847	1.23%	\$19,678	\$19,922	1.24%	\$31,380	\$31,769	1.24%	.16%
19994336914015				\$19,922	\$20,170	1.24%	\$19,922	\$20,170	1.24%	.10%
19994336914016				\$14,320	\$14,500	1.26%	\$14,320	\$14,500	1.26%	.07%
19994336914022				\$36,502	\$36,988	1.33%	\$36,502	\$36,988	1.33%	.19%
19994336914025	\$5,332	\$5,388	1.06%	\$4,628	\$4,673	.96%	\$9,960	\$10,061	1.02%	.05%
19994336914301				\$7,653	\$7,739	1.13%	\$7,653	\$7,739	1.13%	.04%
19994336914302				\$10,277	\$10,393	1.12%	\$10,277	\$10,393	1.12%	.05%
19994336914303				\$10,789	\$10,914	1.15%	\$10,789	\$10,914	1.15%	.06%
19994336914304	\$10,196	\$10,320	1.21%	\$23,586	\$23,884	1.27%	\$33,782	\$34,204	1.25%	.17%
19994336914315				\$5,839	\$5,893	.92%	\$5,839	\$5,893	.92%	.03%
19994336914322				\$39,552	\$40,075	1.37%	\$39,552	\$40,075	1.37%	.20%

Dimension

There is a 3-part structure of information within Stratum.Viewer that includes dimensions, hierarchies, and levels. Dimensions contain at least one hierarchy, which in turn contain at least one level, which in turn contain members. You can see an example of this structure in view explorer.

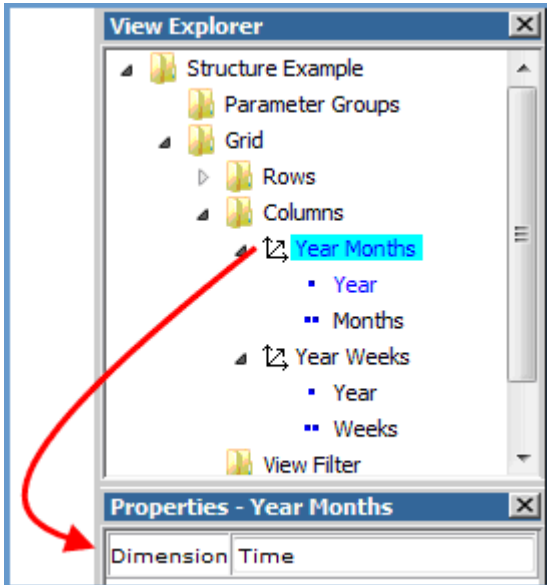
Dimension with Single Hierarchy

In this example, there is a Product Family hierarchy (↕) with a Product Family level (■) in the rows for the grid. The hierarchy belongs to a Product Family dimension, which you can see when you access the Properties window for the hierarchy.



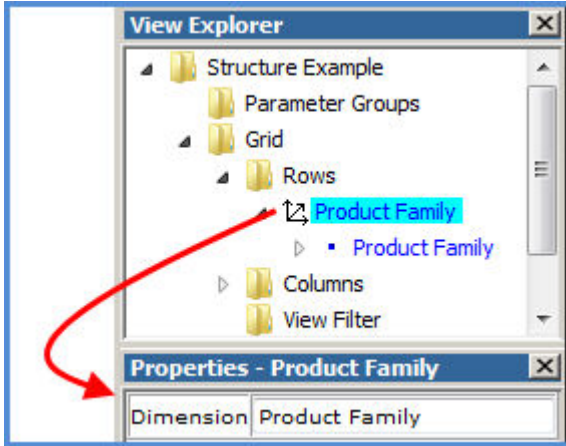
Dimension with Multiple Hierarchies

There are two time hierarchies in this example, and both belong to a Time dimension. The Year Months hierarchy (↕) has Year (■) and Months (■) levels. The Year Weeks hierarchy (↕) has Year (■) and Weeks (■) levels.



Hierarchy

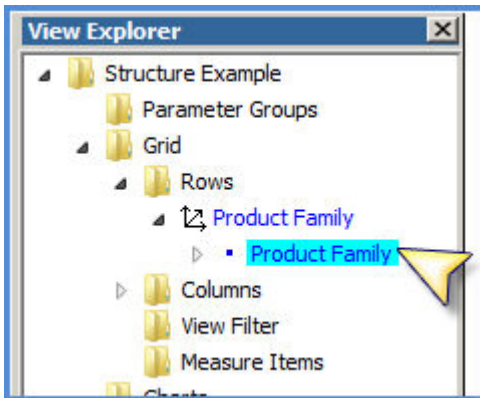
There is a 3-part structure of information within Stratum.Viewer that includes dimensions, hierarchies, and levels. Hierarchies belong to dimensions and contain at least one level, which in turn contain members. You can see an example of this structure in view explorer. In the following example, there is a Product Family hierarchy (↕) with a Product Family level (▪) in the rows. The hierarchy belongs to a Product Family dimension, which you can see when you access the Properties window for the hierarchy.



Level

There is a 3-part structure of information within Stratum.Viewer that includes dimensions, hierarchies, and levels. Levels belong to hierarchies and contain members. You can see an example of this structure in view explorer. In the following example, there is a Product Family level (▪) that belongs to a Product Family hierarchy (↕) in the rows.

Levels can be used in several ways, such as displayed on rows and columns of views, used for filtering purposes, and used to build user list expressions.



Regular Measure Item

Regular measure items are items based on the measures in the Analysis Services database for your Stratum.Viewer environment. The Insert Measure Item window is used to create regular measure items within individual views.

Regular measure items can be created with or without time ranges, depending on the Time Range property for a view. If the Time Range property is Yes for a view, you can specify time ranges for its measure items. If the Time Range property is No, then time range functionality is disabled, but you can use time hierarchies in the view.

The regular measure items in the following view are based on Daily Sales measures and have a time range of Week 37 through 38 of 2014.

View Name: <i>Daily Sales by Customer Type</i>			
View Filter			
<u>Customer Type</u>	<u>Ship-To Territory</u>	Daily Sales Daily Sales Amount Wk 37 2014 to Wk 38 2014	Daily Sales Daily Sales Units Wk 37 2014 to Wk 38 2014
<u>Class B Customer</u>	Southwest	\$286,797	2,554
	South Central	\$317,063	2,734
	Gulf Coast	\$348,421	3,227
	Midlantic	\$400,396	3,779
	New England	\$529,373	4,516
	Great Lakes	\$189,547	1,741
	Great Plains	\$329,536	3,160
	Northwest	\$277,316	2,471
	Western Provinces	\$186,334	1,545
	Central Provinces	\$529,959	4,555
	Eastern Atlantic Provinces	\$596,137	5,502
Grand Total		\$3,990,880	35,784