

What's New

Essential Studio Silverlight Edition
2013

Volume 1



Contents

- Silverlight..... 3
 - All BI Products..... 3
 - MDX Query Binding with Drill-Up and Drill-Down Operations..... 3
- Essential BI PivotGrid..... 3
 - Sorting..... 3
 - Add and Remove Filters without Expressions 4
 - Performance Improvement with Virtualized Binding 5
- Essential Spreadsheet 6
 - Undo and Redo Support 6

Silverlight

- All BI Products

MDX Query Binding with Drill-Up and Drill-Down Operations

In all business intelligence controls, users can perform drill-up and drill-down operations by using MDX queries to manipulate data at different levels.

	Australia	Canada	France	Germany	United Kingdom	United States	Total
Internet Sales Amount							
FY 2002	\$2,568,701.39	\$573,100.97					\$7,072,084.24
FY 2003	\$2,099,585.43	\$305,010.69					\$5,762,134.30
FY 2004	\$4,383,479.54	\$1,088,879.50					\$16,473,618.05
FY 2005	\$9,234.23	\$10,853.70					\$50,840.63
Total	\$9,061,000.58	\$1,977,844.86					\$29,358,677.22

```
SELECT NON EMPTY ({{Hierarchize({DrilldownLevel({[Customer].[Customer Geography].[All Customers]}}) * {[MEASURES].[Internet Sales Amount]}} ) dimension properties member_type ON COLUMNS, NON EMPTY ({{Hierarchize({DrilldownLevel({[Date].[Fiscal].[All Periods]}}) ) dimension properties member_type ON ROWS FROM [Adventure Works] CELL PROPERTIES VALUE, FORMAT_STRING, FORMATTED_VALUE
```

Manipulating OLAP Data through MDX Queries

- Essential BI PivotGrid

Sorting

The values in a column can be sorted in ascending or descending order when its column header is clicked. The following sorting options are supported:

- All—sorts all columns in the Pivot Grid.
- Total sorting—sorts only the total columns.
- Grand total Sorting—sorts only the grand total columns.
- Column sorting—sorts columns other than the total and the grand total columns.
- None—disables sorting for all columns.

The default sorting option for the control is None.

Drop Filter fields here		Canada		France	
Am...	Qua...	Amount	Quantity	Amount	Quantity
▼ Bike	FY 2005	\$23,668,800.00	138	\$24,978,300.00	148
	FY 2006	\$11,853,900.00	66	\$8,278,500.00	55
	FY 2007	\$5,744,100.00	33	\$3,469,500.00	21
	FY 2008	\$1,955,700.00	10	\$1,948,800.00	12
	FY 2009	\$371,100.00	4	\$888,000.00	5
Bike Total		\$43,593,600.00	251	\$39,563,100.00	241
▼ Bus	FY 2005	\$2,976,600.00	23	\$5,380,200.00	31
	FY 2006	\$2,809,800.00	15	\$2,451,000.00	15
	FY 2008	\$765,600.00	5	\$542,100.00	4
	FY 2007	\$318,300.00	4	\$1,073,100.00	6
	FY 2009			\$293,700.00	1
Bus Total		\$6,870,300.00	47	\$9,740,100.00	57

Sorting Options

- Enable Sorting on all columns
- Enable Column Sorting
- Enable Total Column Sorting
- Enable GrandTotal Column Sorting
- Disable Sorting

Pivot Grid with Sorting Enabled

Add and Remove Filters without Expressions

Users can add and remove filters programmatically via the following options:

- Add
- InsertAt
- Remove
- RemoveAt
- Clear

Users can also apply filters to the pivot grid by passing a dimension name as an argument without using expressions.

Providing support to programmatic level support for filtering

Add Product Insert State at the index '0' Clear the filter

Remove Product Remove the item at Position 1

Product	State	Canada		France		Germa
A...	Q...	Country				
Date		Amount	Quantity	Amount	Quantity	Amount
FY 2005		\$38,827,200.00	229	\$39,792,600.00	235	\$35,8
FY 2006		\$18,820,200.00	103	\$13,621,200.00	89	\$14,9
FY 2007		\$8,828,400.00	51	\$6,151,800.00	37	\$7,8
FY 2008		\$4,270,500.00	26	\$3,688,200.00	23	\$5,9
FY 2009		\$1,123,200.00	8	\$2,495,400.00	14	\$1,9
Grand Total		\$71,869,500.00	417	\$65,749,200.00	398	\$66,6

PivotTable Field List

Choose Field to add to report

- Product
- Date
- Country
- State
- Quantity
- Amount

Drag Fields between areas below

Report Filter Column Label

Product Country

State

Filters in a Pivot Grid

Performance Improvement with Virtualized Binding

Virtualized binding improves the performance of a pivot grid with a large number of records across multiple pivot rows, columns, and calculation cells by enabling calculations and rendering on demand. The control uses an indexed engine to implement virtualized binding.

This sample load the data in both engine and control by ondemand with help of indexed engine support.

Drop Filter fields here

Price

Year 2011 Month

		Jun	Jul	Aug	Sep	Oct	Nov
cli_99 Total		\$2,213.00	\$2,265.00	\$2,902.00	\$4,133.00	\$2,836.00	\$
Grand Total		\$462,215.00	\$769,923.00	\$781,144.00	\$746,269.00	\$753,415.00	\$71

Initial part done in 7.6065 seconds.

839/83251
1639/83251
2439/83251
3239/83251
4039/83251
4839/83251
5639/83251
6439/83251
7239/83251
8039/83251
8839/83251
9639/83251
10439/83251
11239/83251

Pivot Grid with Virtualized Binding

■ Essential Spreadsheet

Undo and Redo Support

Changes made in a spreadsheet are tracked by two stacks: one for redo operations and one for undo operations. These stacks can be enabled or disabled by the user. Any number of changes can be grouped as a single transaction. Users can clear the stack when necessary.