



Business Intelligence New Microsoft BI Features

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Agenda

- Microsoft BI Technologies
- SQL server Integration Services
- SQL Server Analysis Services
- Excel 2007
- Performance Point

Microsoft BI Technologies

- SQL Server Database Engine
 - high-performance data storage engine for the Data Warehouse.
- SQL Server Integration Services
 - ETL platform for population and synchronization of your data warehouse
- SQL Server Analysis Services
 - analytical engine for Online Analytical
 Processing (OLAP) solutions



Microsoft BI Technologies

- SQL Server Reporting Services
 - Extensive reporting Tool
- Excel 2007
 - Analysis Tool
- Performance Point server 2007
 - Monitoring(Scorecards)
 - Analytics
 - Plan



Microsoft BI Technologies



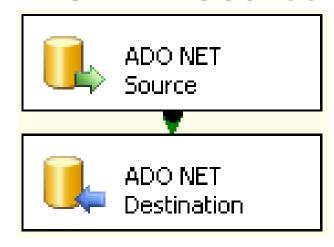
- Microsoft BI Technologies
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Script Tasks & Components



- Support VB.NET, or C#
- Environment improve (More of the familiar
 VS environment)
- ADO.NET Source and Destination

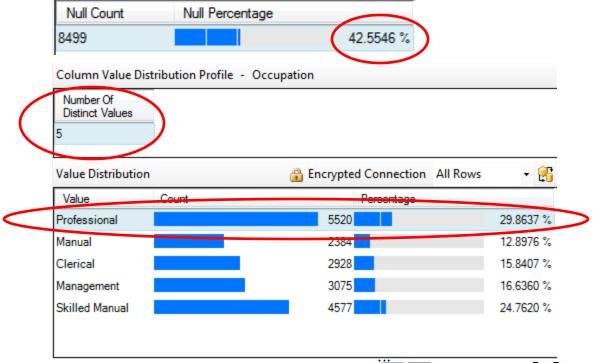




Data Profiling Task & viewer



Null ratio, length distribution,
 value distribution ...



Data Flow performance



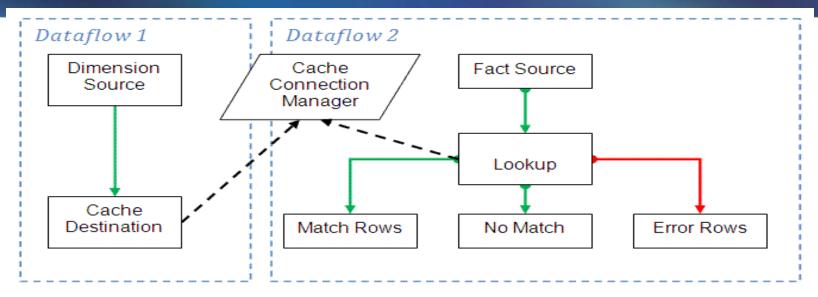
- In 2005, an execution tree is executed on a single thread
- In 2008, this is handled differently (smarter thread allocation)
- Lookup Transformation
 - Share cached lookup across packages



More granular control over cache use for matched/non-matched data







- Lookup Transformation
 - Share cached lookup across packages



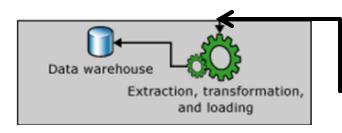
More granular control over cache use for matched/non-matched data

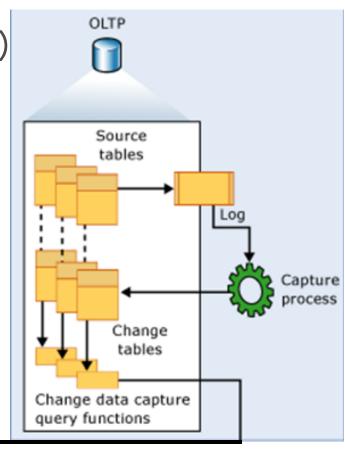




Transform

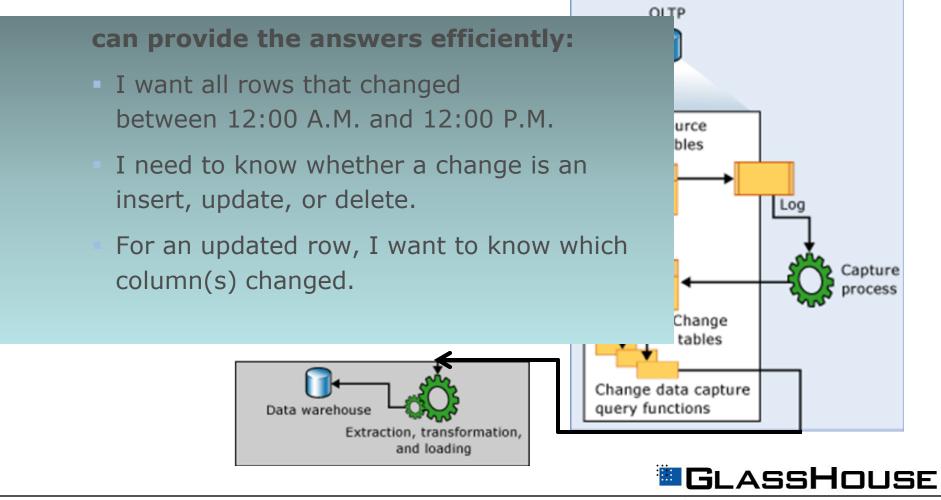
- Other Improvements elsewhere
 - Change Data Capture (CDC)
 - Asynchronous reads transaction
 - Detect net and incremental changes (summarize multiple changes into a single change record)
 - Good for Data warehouse





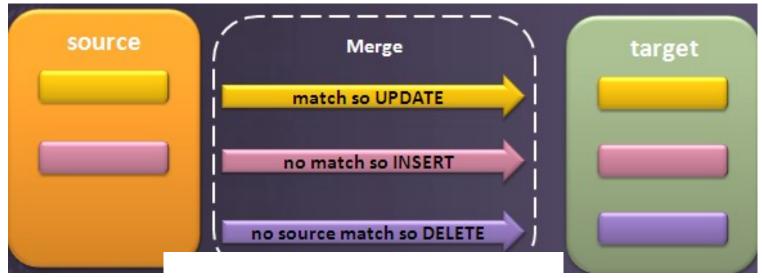


Other Improvements elsewhere



Merge

- allows you to insert, update, or delete data based on certain join conditions in the same statement(trunsaction).
- Good for Data warehouse



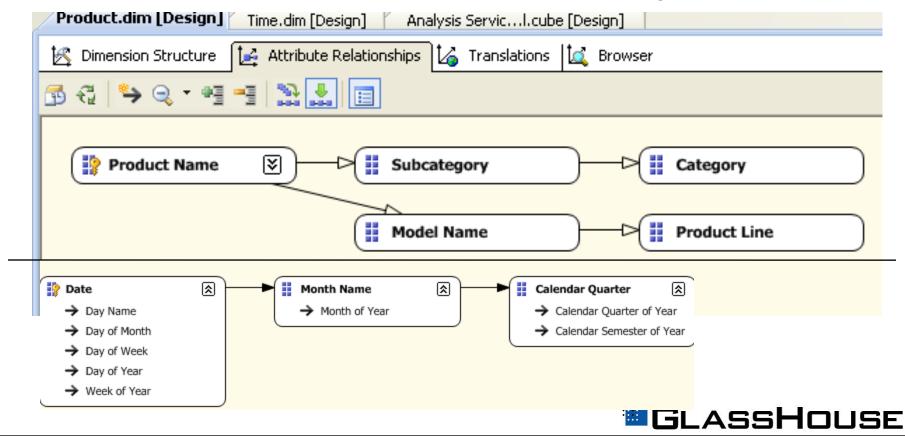




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- Best Practice advisor
- Declarative attribute relationships



Block computation (Engine improve)

	Caps	Jerseys	Socks
Europe	(null)	(null)	(null)
NA	(null)	(null)	(null)
North America	\$2,686.87	\$28,255.57	\$3,433.89
Pacific	(null)	(null)	(null)



	Clothing	
Europe	(null)	
NA	(null)	
North America	\$34,376.34	
Pacific	(null)	



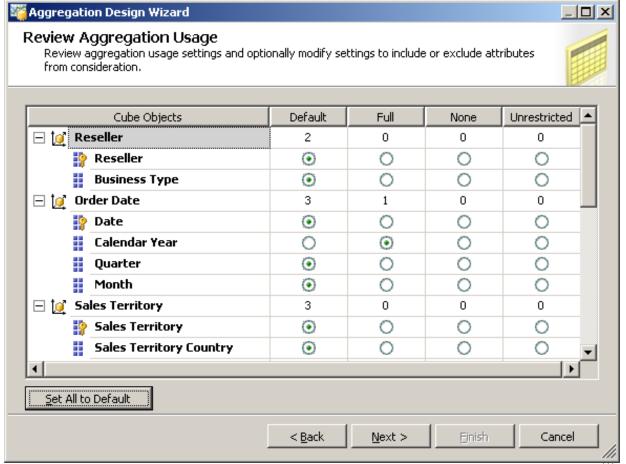
	Caps	Jerseys	Socks
Europe	(null)	(null)	(null)
NA	(null)	(null)	(null)
North America	7.82%	82.19%	9.99%
Pacific	(null)	(null)	(null)

doing work just for the non-null values



- Writeback to MOLAP: The ability for end users to update cell values at the leaf or aggregate levels
 - Use "Update" sentence with: EQUAL ALLOCATION,
 WEIGHTED_ALLOCATION (ex. Increase budget)
 - ☐ ☐ Test
 ☐ ☐ Measure Groups
 ☐ ☐ ☐ Dbo POS Retail Sales CT
 ☐ ☐ Partitions
 ☐ Dbo POS Retail Sales CT
 ☐ Writeback
 ☐ WriteTable_Dbo POS Retail Sales CT
 ☐ Aggregation Designs
- CREATE/DROP KPIs
- Changed dimension and cube wizards

Aggregation design



 Aggregation design 🚡 🌓 z 🖐 🔀 Dbo POS Retail Sales CT Measure Group: (none) Sorting: A0 **A**1 **A2 Properties** Status (\mathbf{y}) 4 Producat for test Product Key (5) Product Category (2)





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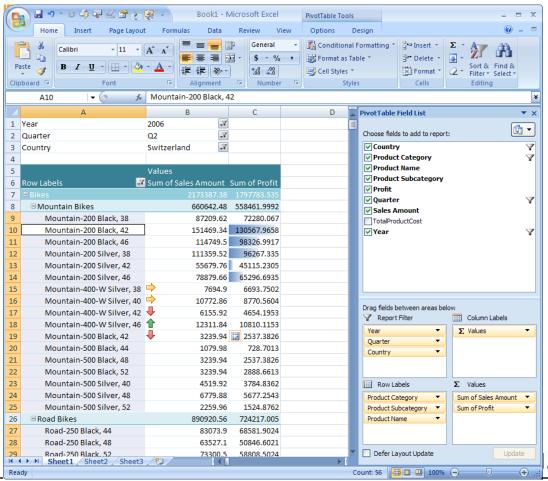
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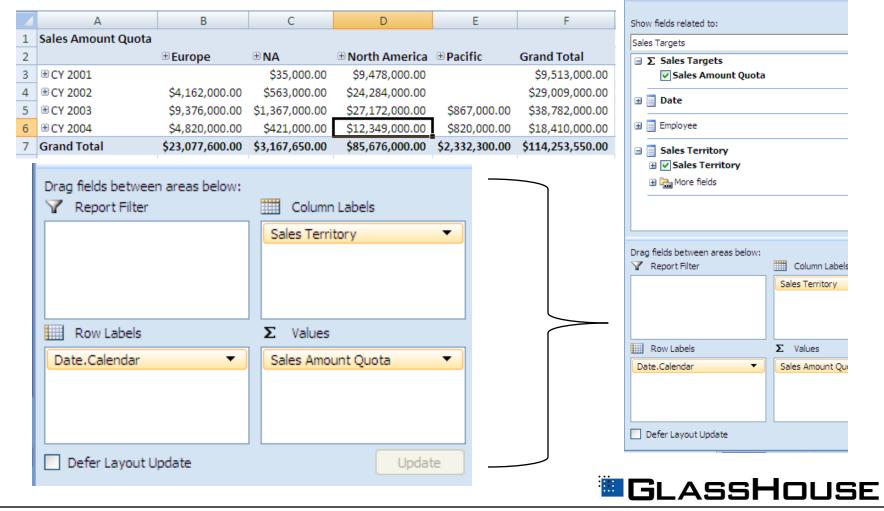
- Excel BI tools –Tables and PivotTables
- What's new in these tools?
 - Easy to create and intuitive to work with
 - Quickly explore data with improved sorting and filtering
 - Find exceptions and see trends using new data visualization
 - Structured reference



- New UI (ProClarity)
 - Styles
 - colorScale
 - Icon Set
 - Drill through



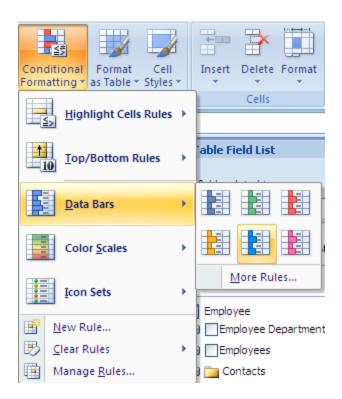
DEMO



PivotTable Field List

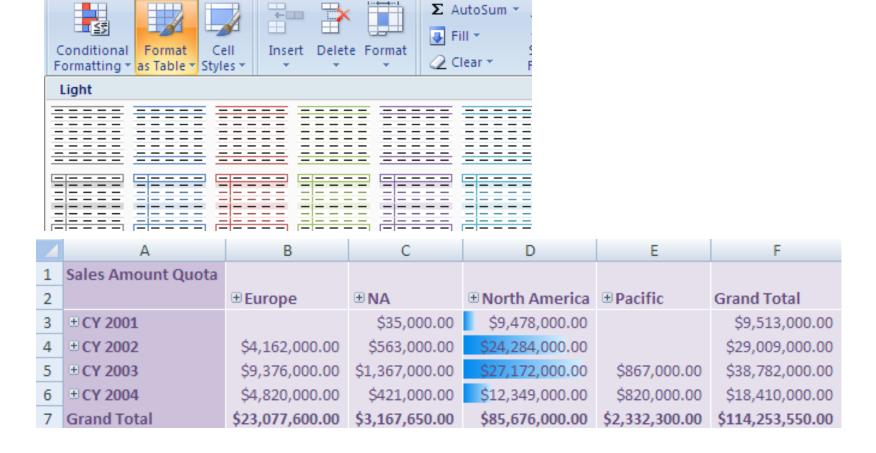
DEMO

	А	В
1	Sales Amount Quota	
2		⊕ Europe
3	⊞ CY 2001	
4	⊞ CY 2002	\$4,162,000.00
5	⊞ CY 2003	\$9,376,000.00
6	⊞ CY 2004	\$4,820,000.00
7	Grand Total	\$23,077,600.00



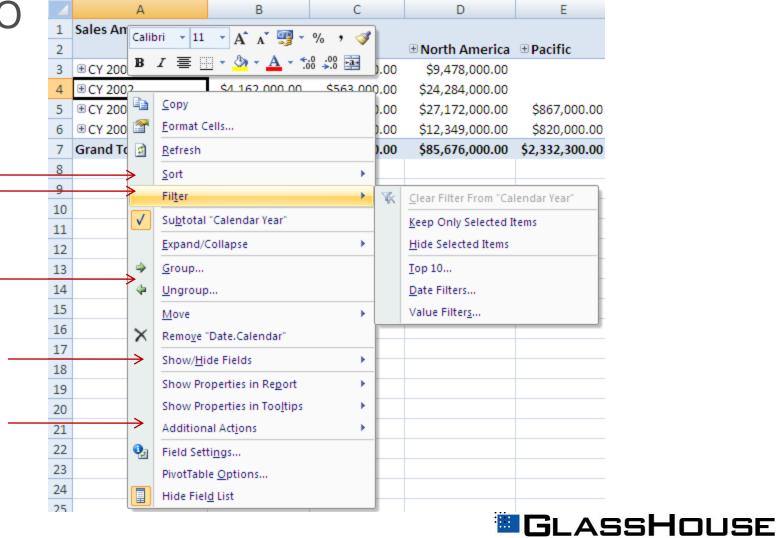


DEMO





DEMO



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Performance Point

Planning

What do I want to happen?

What will happen?

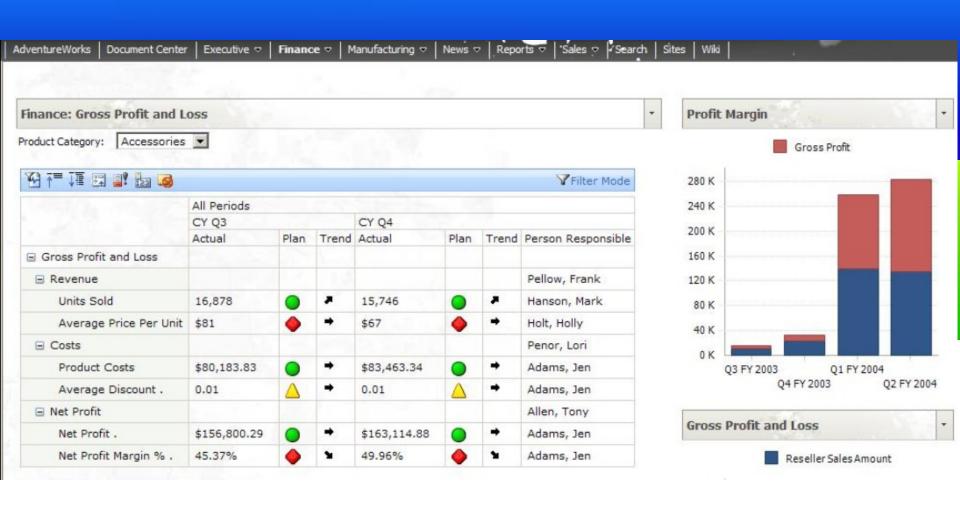
Analytics

O Why?

Scorecarding

- What is happening(health)?
- What happened?

Performance Point





Performance Point



Office PerformancePoint Server 2007

Analytics

ProClarity



Scorecarding



Office PerformancePoint Server 2007

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Performance Point







Thank You

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