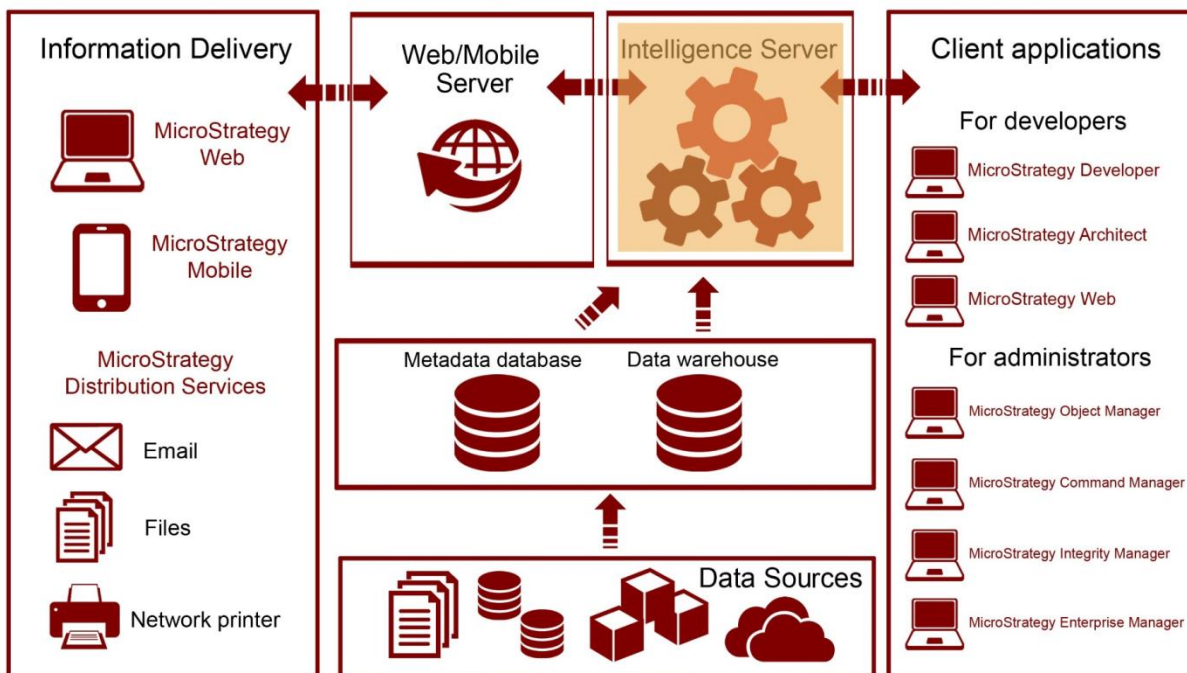
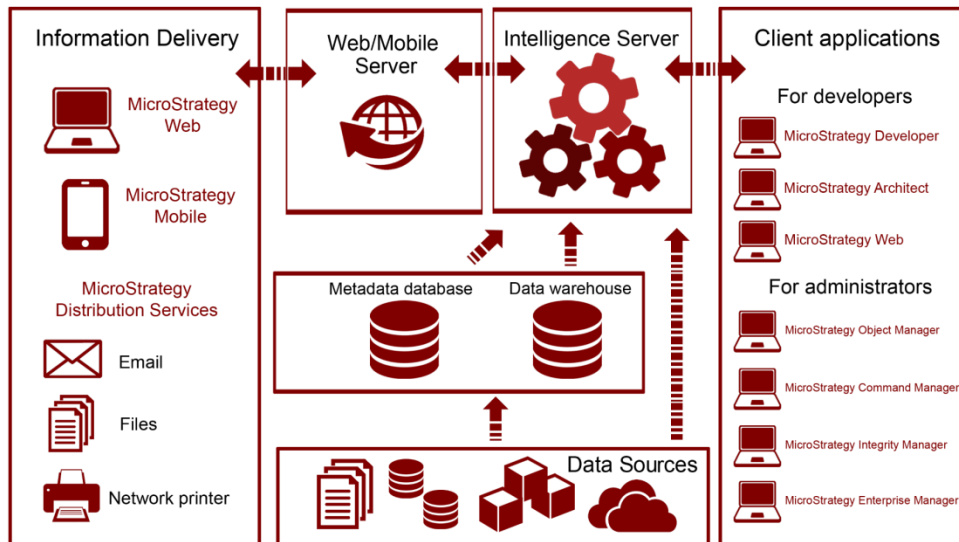
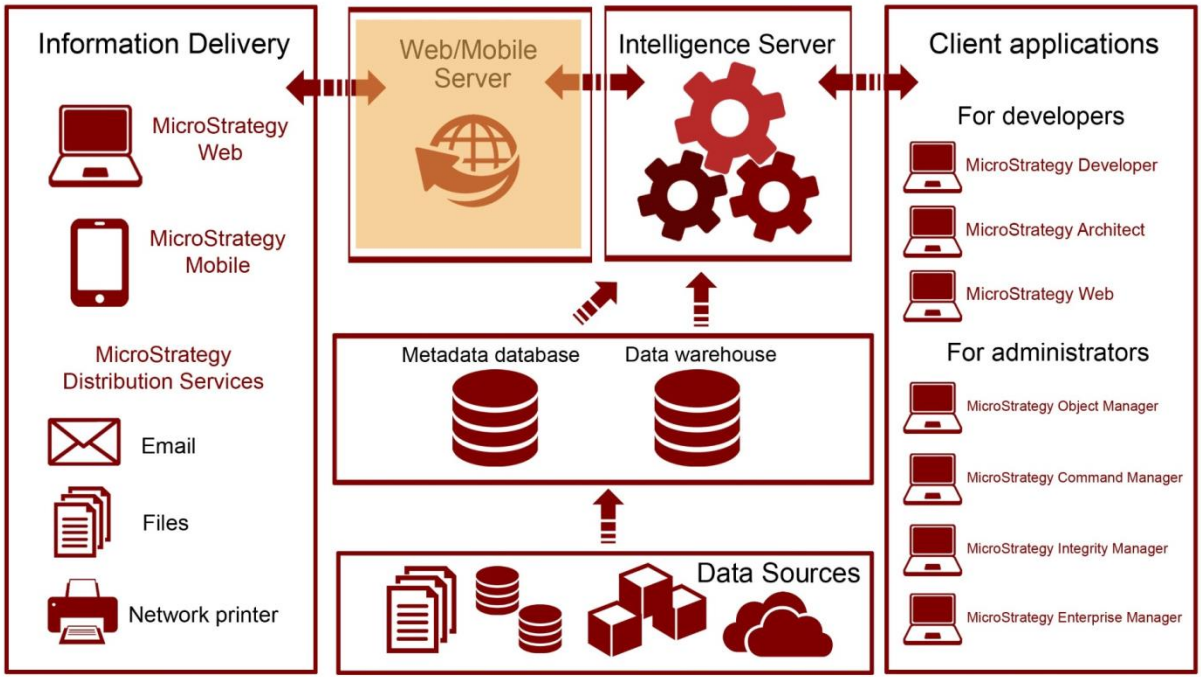
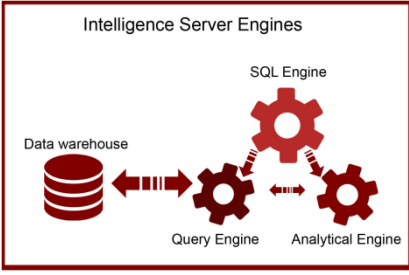
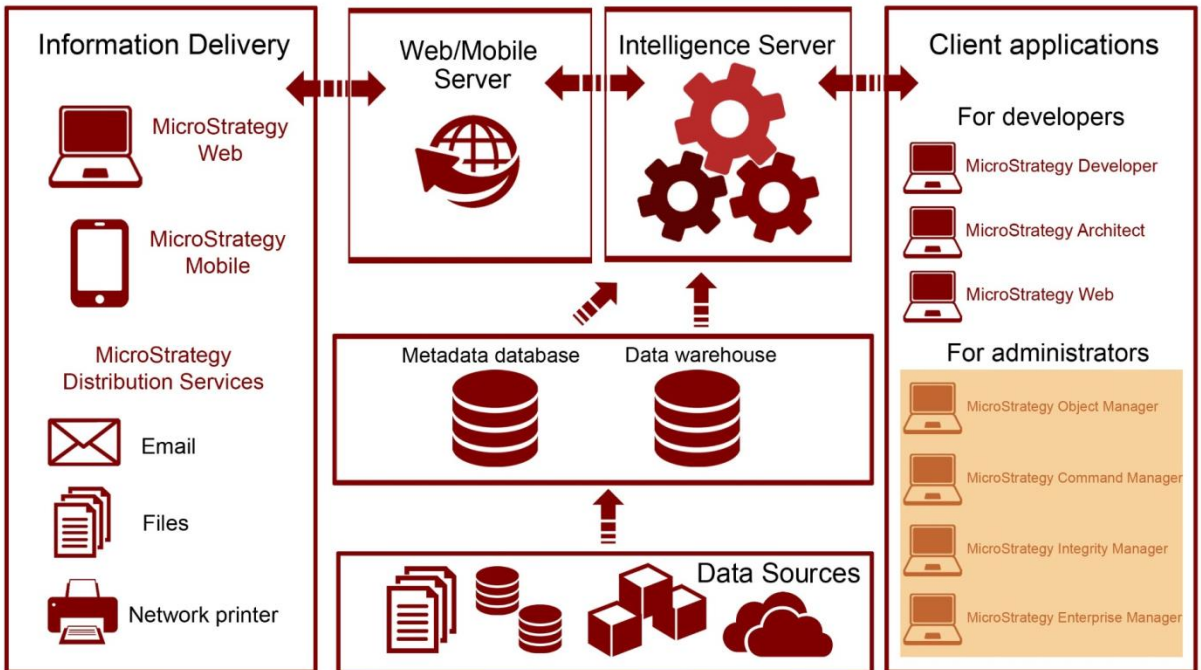
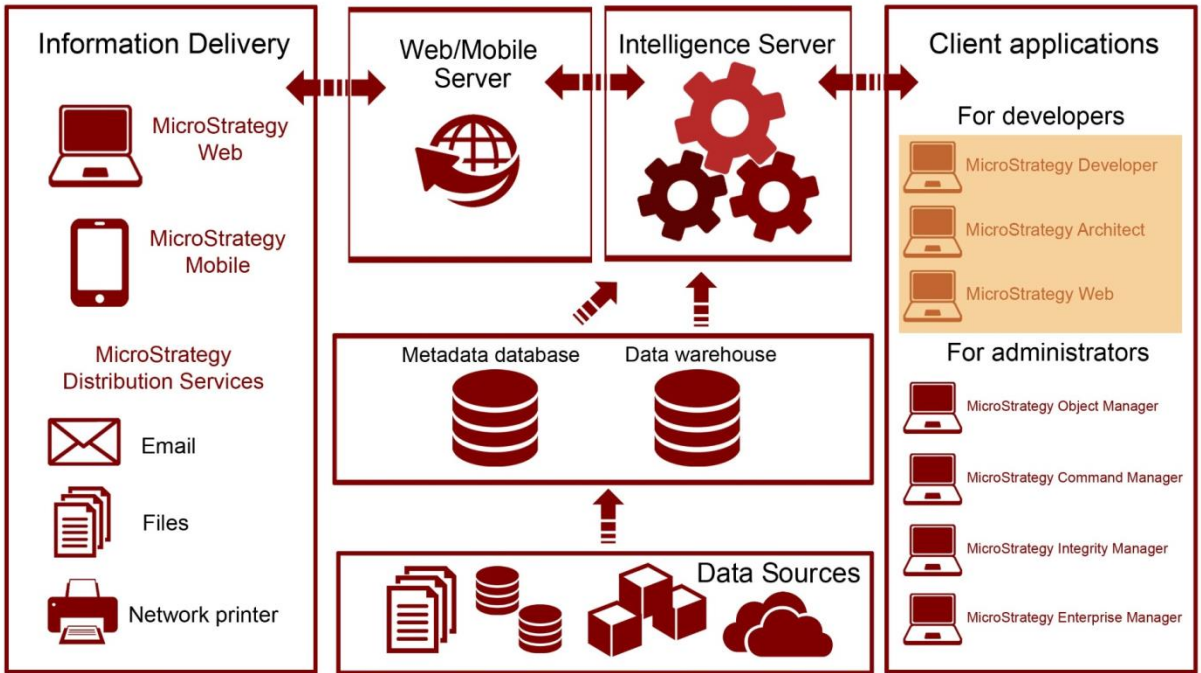
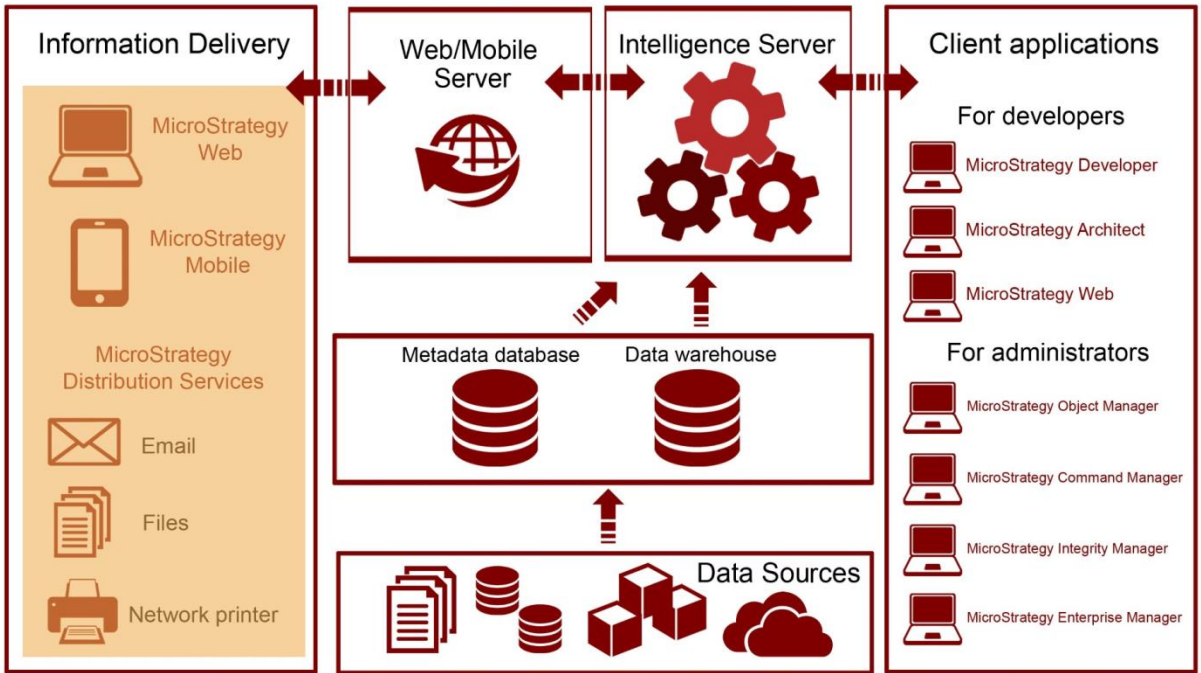


# Chapter 1: Architecture - Installing and Configuring MicroStrategy









- Analytics Modules
- Documentation
- fsccommand
- Installations
- MicroStrategy Desktop 10.10
- ReleaseNotes
- Tutorial Reporting
- autorun.inf
- MICROSTRATEGY.exe
- MicroStrategy.ico
- pvcystmt.html

**MICROSTRATEGY SECURE ENTERPRISE**

Welcome | Install Software | Documentation | Contact Us

### Welcome to MicroStrategy Secure Enterprise

MicroStrategy Secure Enterprise offers new technology and features designed to:

- Deliver enterprise BI with higher performance and efficiency
- Develop and deploy departmental BI applications quickly
- Migrate seamlessly from departmental BI to enterprise BI
- Build Mobile and Transaction apps for iPhone, iPad and Android
- Secure your Analytics with MicroStrategy Usher, for enterprise-grade mobile security

**Get Started Using MicroStrategy Secure Enterprise:**

[Install Software](#) | [Read Documentation](#) | [Learn more about Usher Security](#)

About MicroStrategy

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**MicroStrategy Secure Enterprise**

Customer Information

Please enter your information.

Welcome

First Name: Fernando Last Name: Rivero

Email Address: frivero@hotmail.com

Company Name:

License Key:

To request a License Key you can contact our Technical Support or use the self-service tool at: [www.microstrategy.com/Support/CSKeyGenerator.aspx](http://www.microstrategy.com/Support/CSKeyGenerator.aspx)

I accept the terms of the license agreement

I do not accept the terms of the license agreement

Back Next Cancel

**MicroStrategy Secure Enterprise**

Select Components

Identify the components setup will install or remove.

Welcome

Select the components you want to install, and deselect the components that you do not want to install or that you want to remove.

- MicroStrategy Intelligence Server
- MicroStrategy Web Universal
- MicroStrategy Operations Manager
- MicroStrategy Office
- MicroStrategy Mobile
- MicroStrategy Developer Products
- MicroStrategy Object Manager
- MicroStrategy Command Manager
- MicroStrategy Enterprise Manager
- MicroStrategy Integrity Manager
- MicroStrategy System Manager
- MicroStrategy Narrowcast Server
- MicroStrategy Analytics Modules
- Other components
- Usher Security Services
- Usher Analytics

Description

Intelligence Server is an industrial-strength analytical server optimized for enterprise querying, reporting and OLAP analysis.

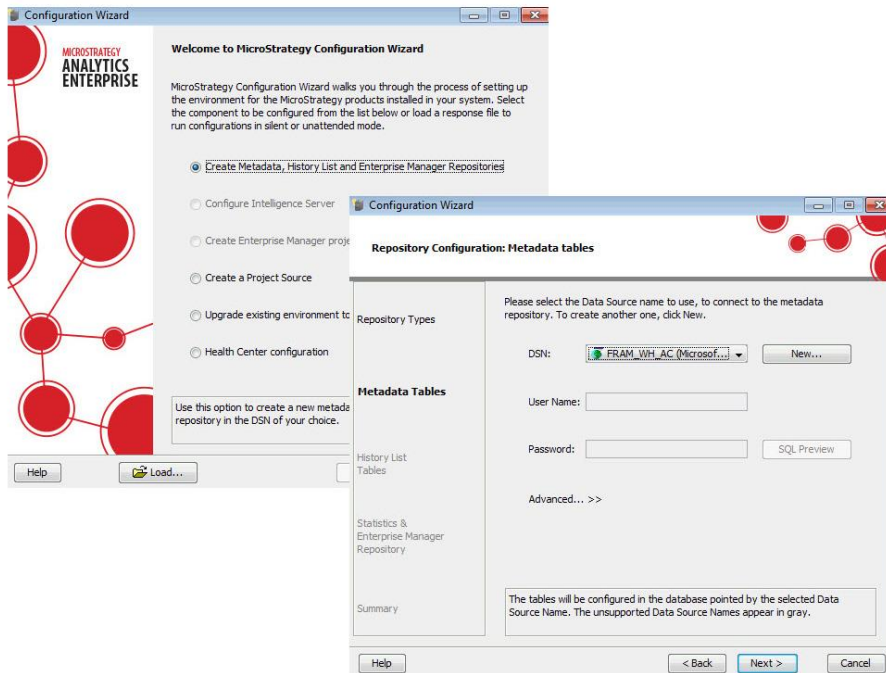
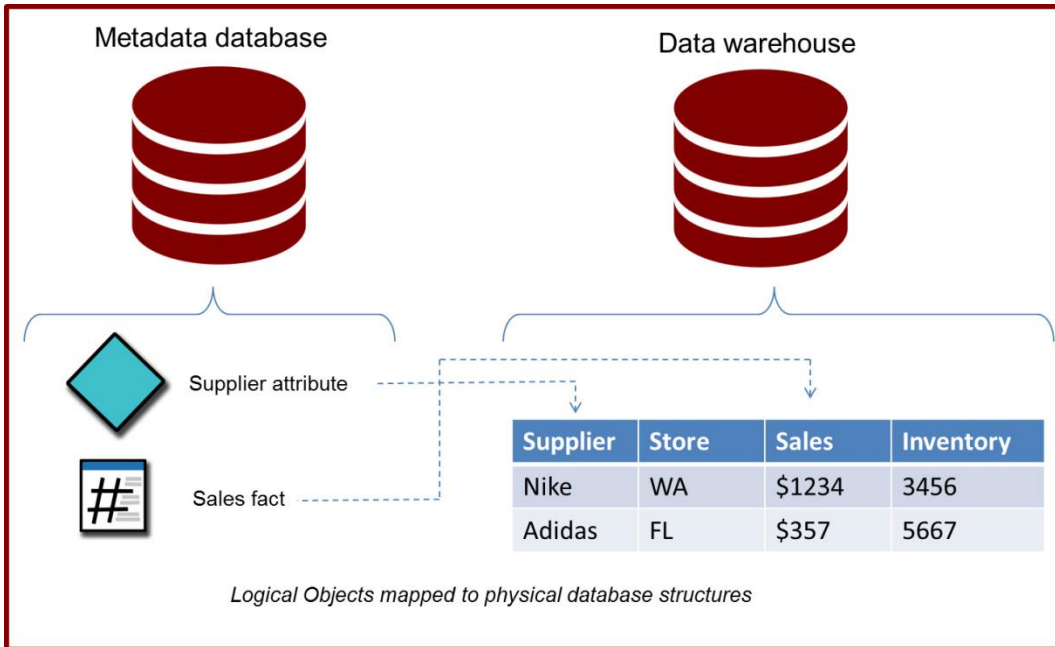
Destination Folder

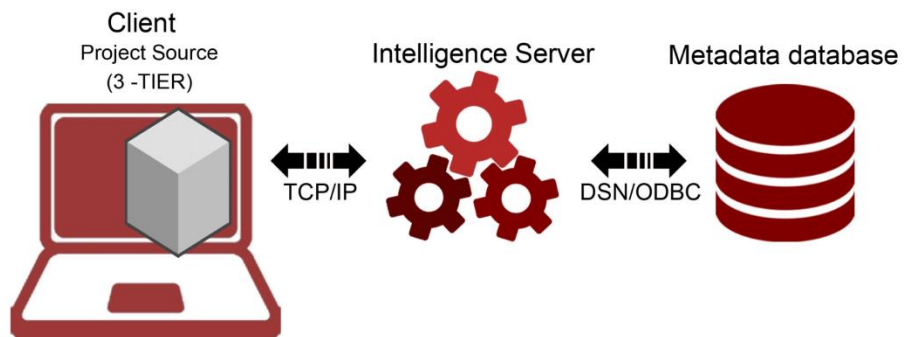
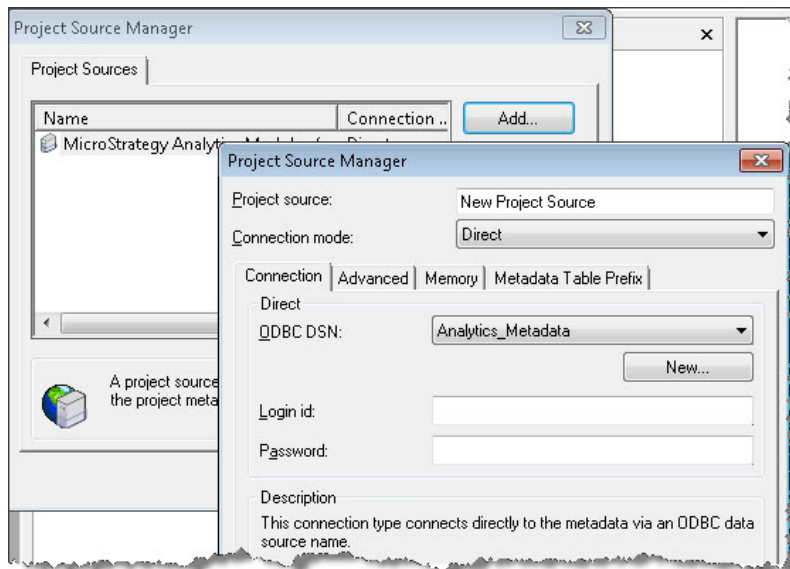
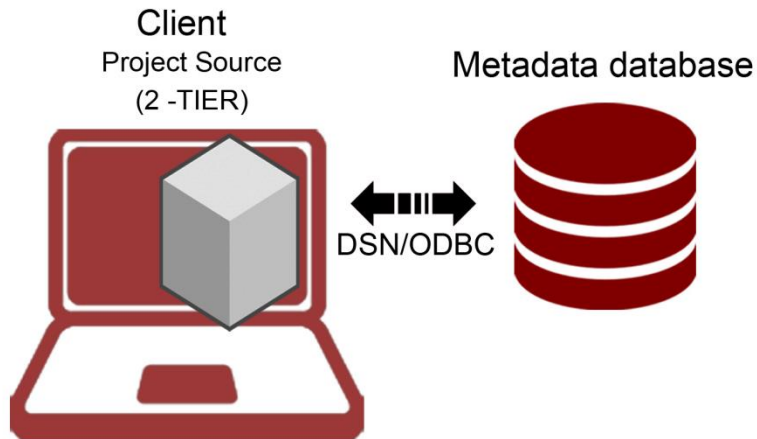
C:\Program Files (x86)\MicroStrategy\Intelligence Server

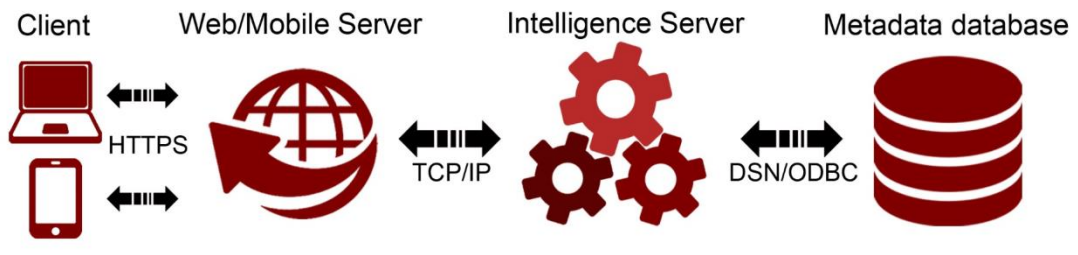
Browse...

InstallShield

Back Next Cancel

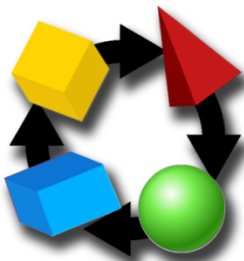
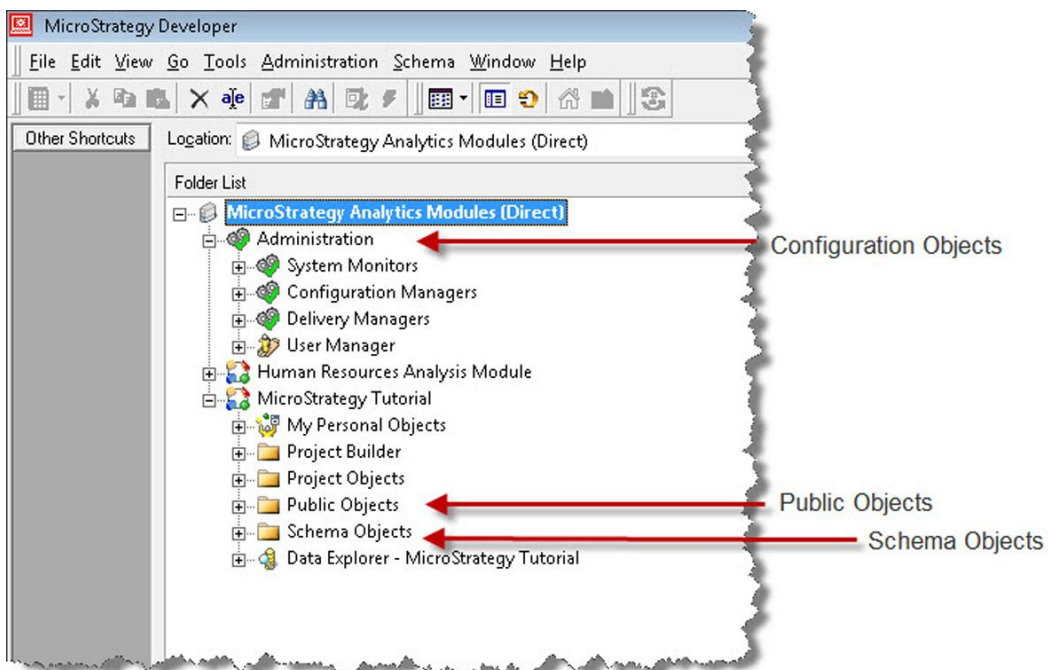
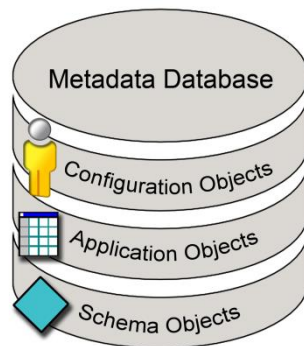




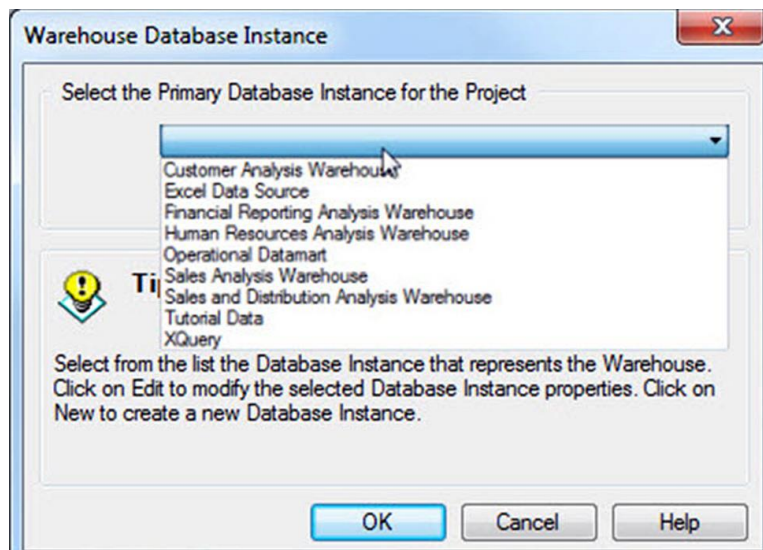
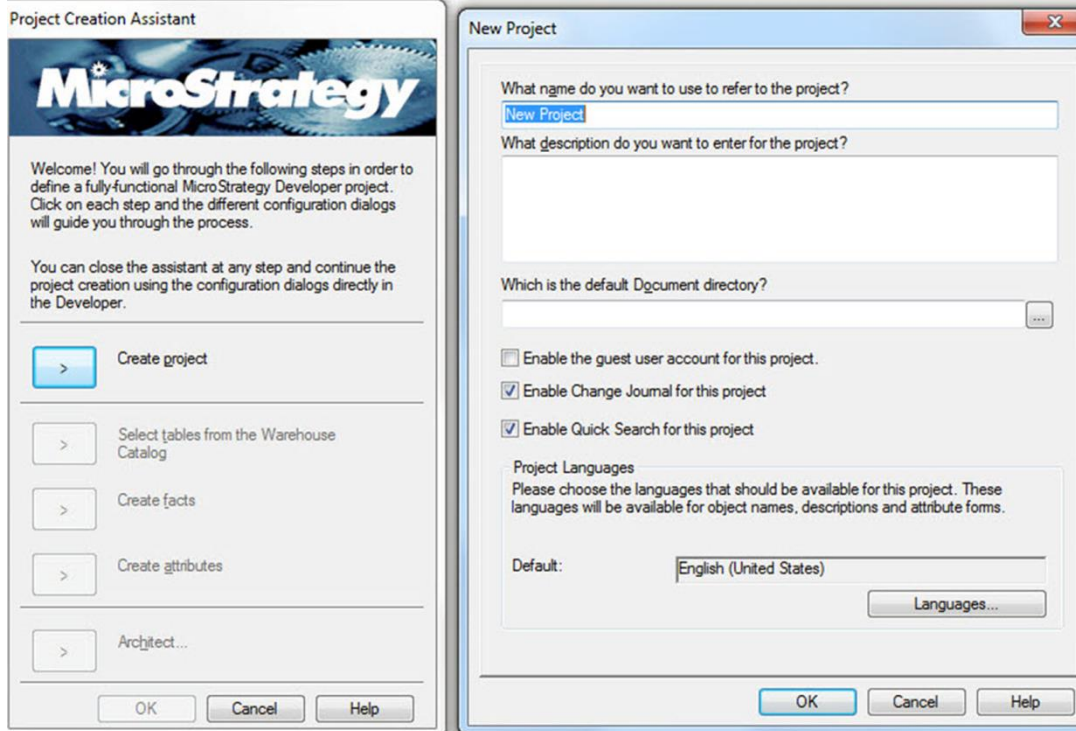


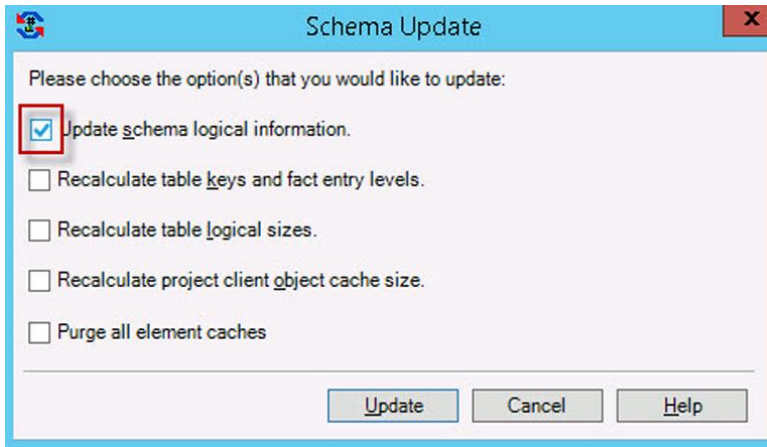


## Chapter 2: Project Design - Creating Your Project Foundation

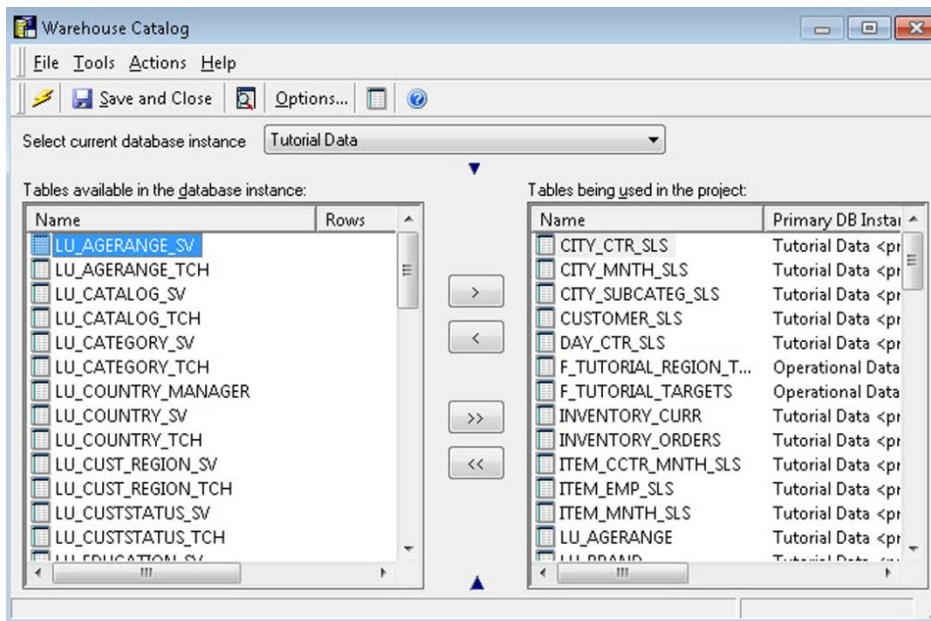


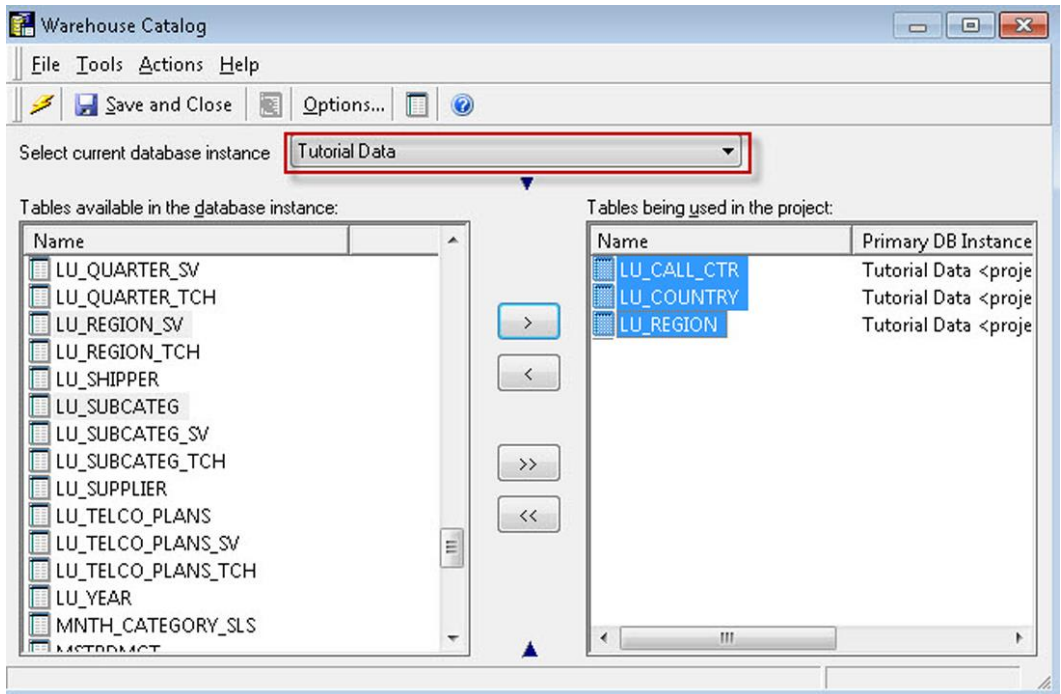
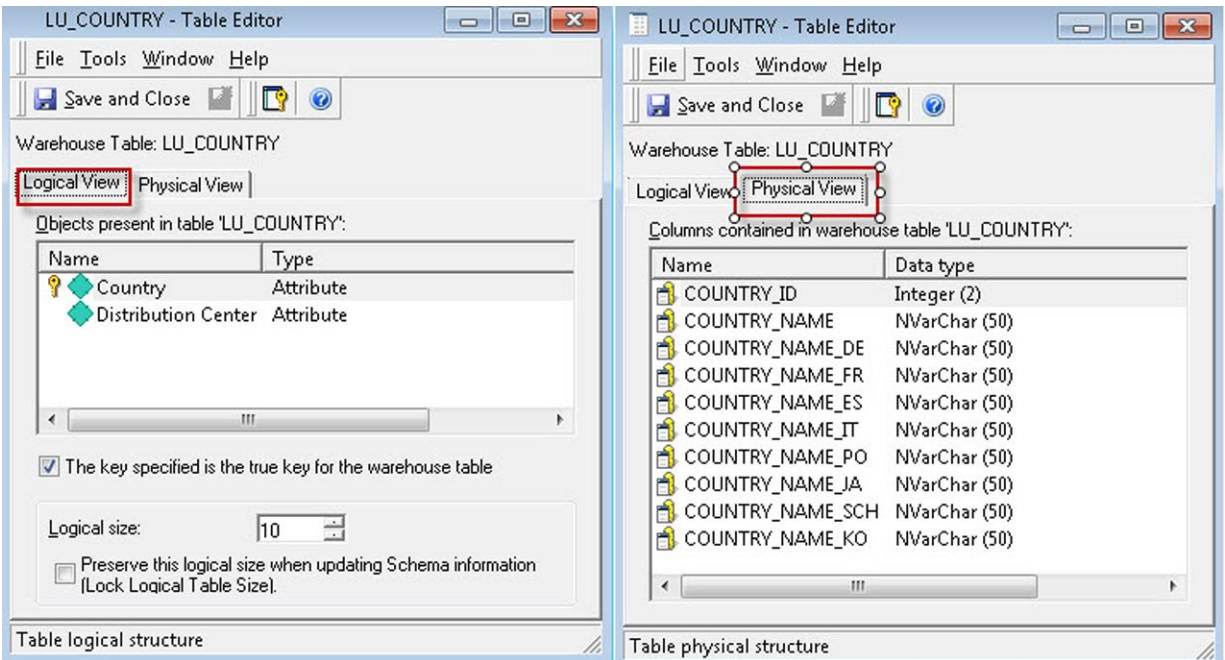
1) What is it for?	To contain other objects grouped by business affinity
2) What is it made of?	All Public and Schema Objects
3) Where can it be used?	N/a. This is the “largest” object in the metadata





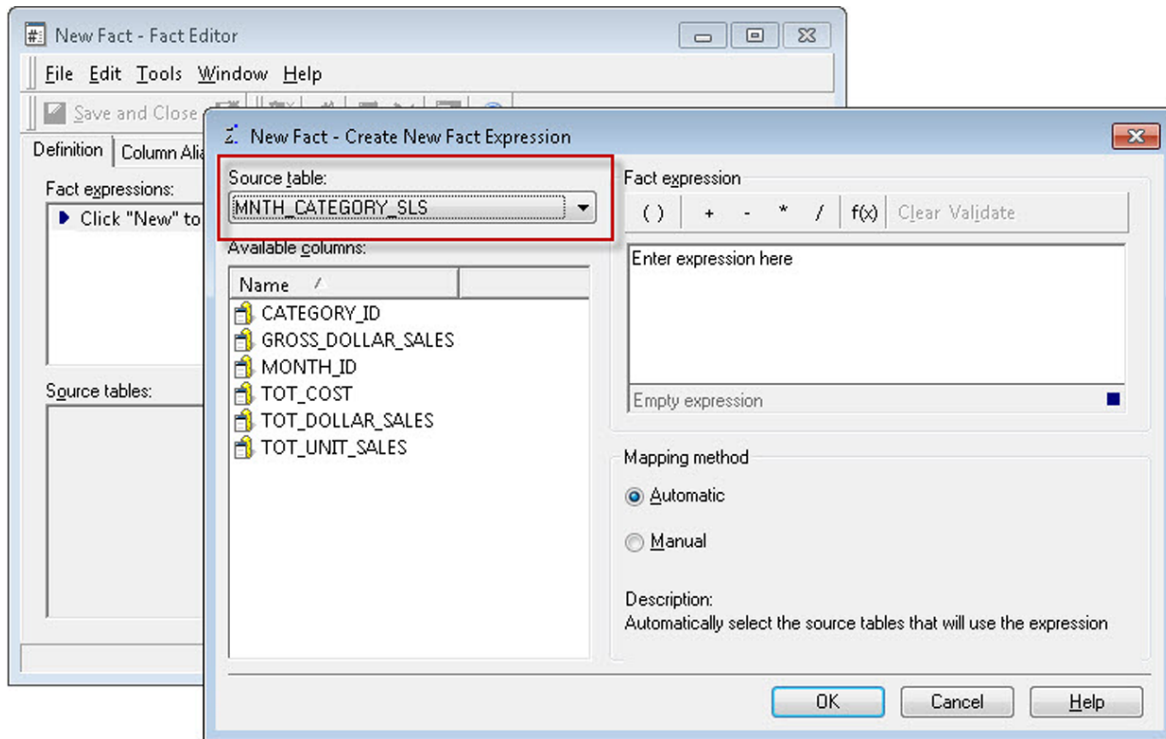
1) What is it for?	To map fields to a physical table or view in a database. To create MicroStrategy expressions
2) What is it made of?	Columns and data types
3) Where can it be used?	Attributes, Facts and Transformations

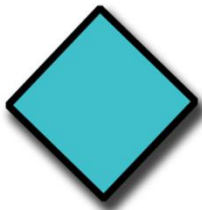
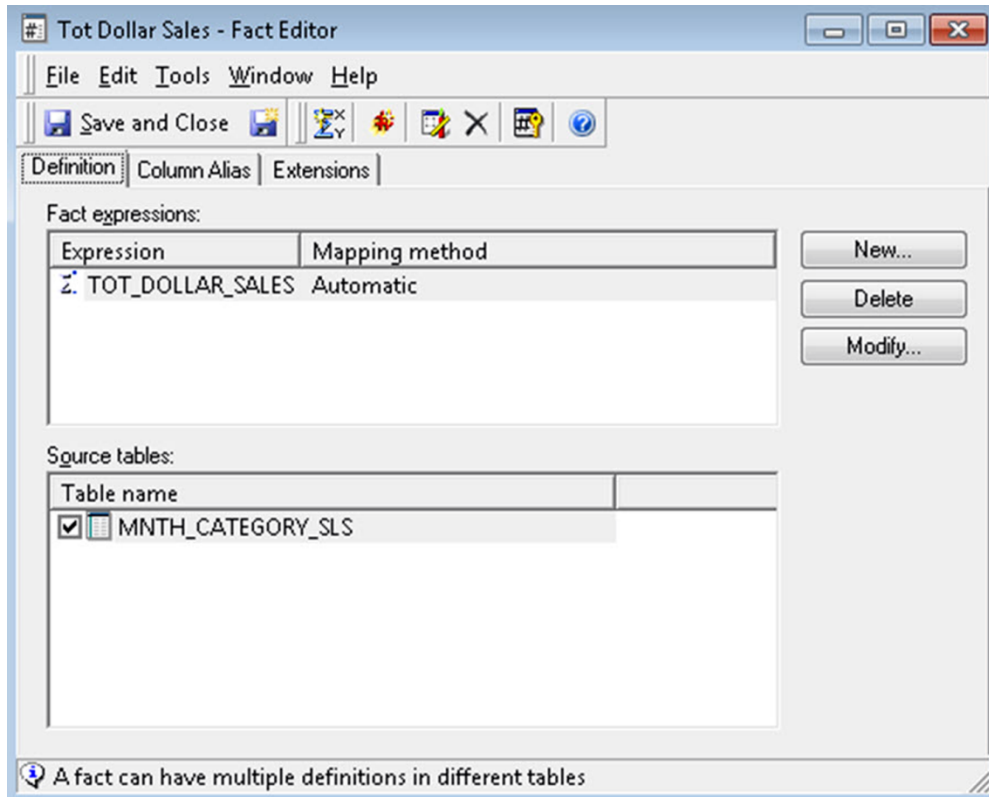




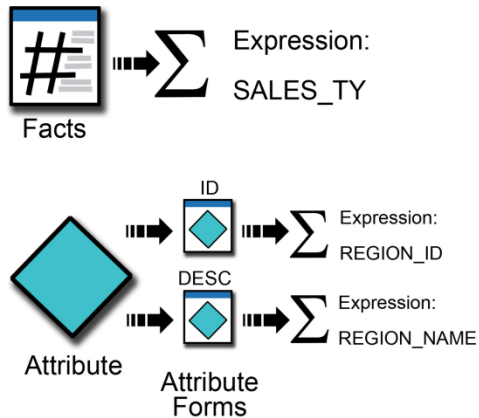


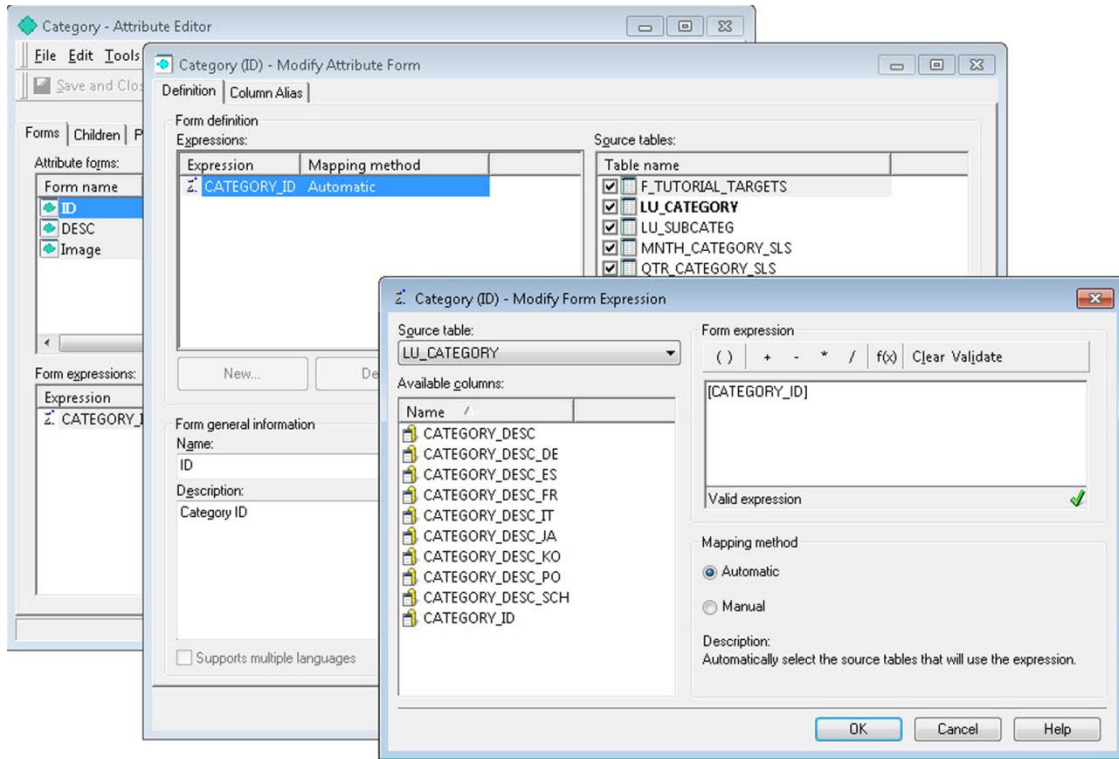
1) What is it for?	To map business measures to a column or columns in a fact table
2) What is it made of?	Columns from a MicroStrategy Table (Expressions)
3) Where can it be used?	Metrics, Object Prompts, Base Formulas





1) What is it for?	To map business contexts to a column in a look up table. To give context to business measures (facts)
2) What is it made of?	Columns from a MicroStrategy Table (Attribute Forms)
3) Where can it be used?	Hierarchies, Templates, Reports, Filters, Metrics, Prompts, Drill Maps





Category (ID) - Modify Attribute Form

Definition | Column Alias

Form definition

Expressions:

Expression	Mapping method
z. CATEGORY_ID	Automatic

Source tables:

Table name
<input checked="" type="checkbox"/> F_TUTORIAL_TARGETS
<input checked="" type="checkbox"/> LU_CATEGORY
<input checked="" type="checkbox"/> LU_SUBCATEG
<input checked="" type="checkbox"/> MNTH_CATEGORY_SLS
<input checked="" type="checkbox"/> QTR_CATEGORY_SLS
<input checked="" type="checkbox"/> YR_CATEGORY_SLS

New... Delete Modify... Select all Clear all Set as Lookup

Form general information

Name: ID

Description: Category ID

Supports multiple languages

Form category

Category used: ID Modify...

Form format

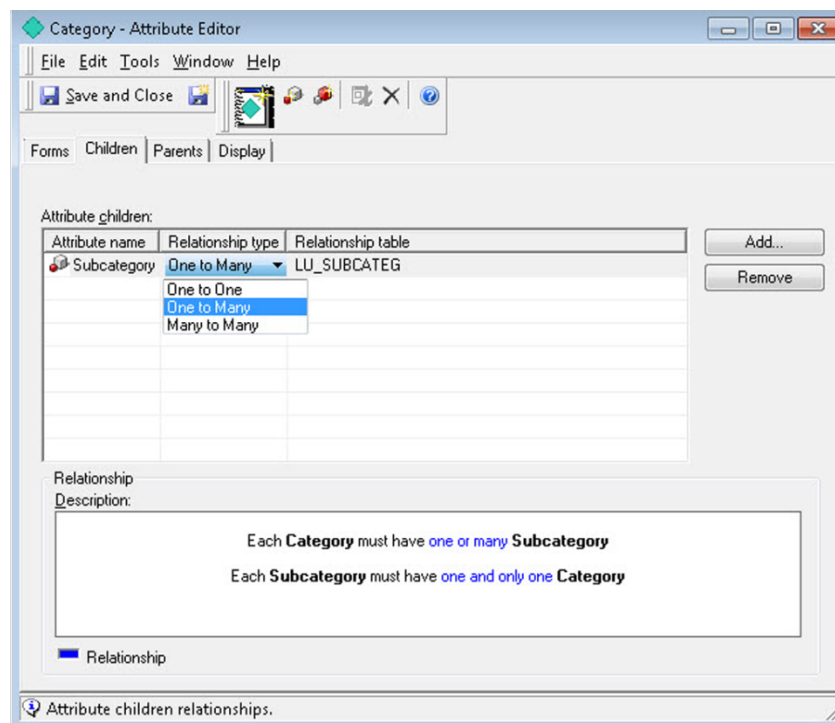
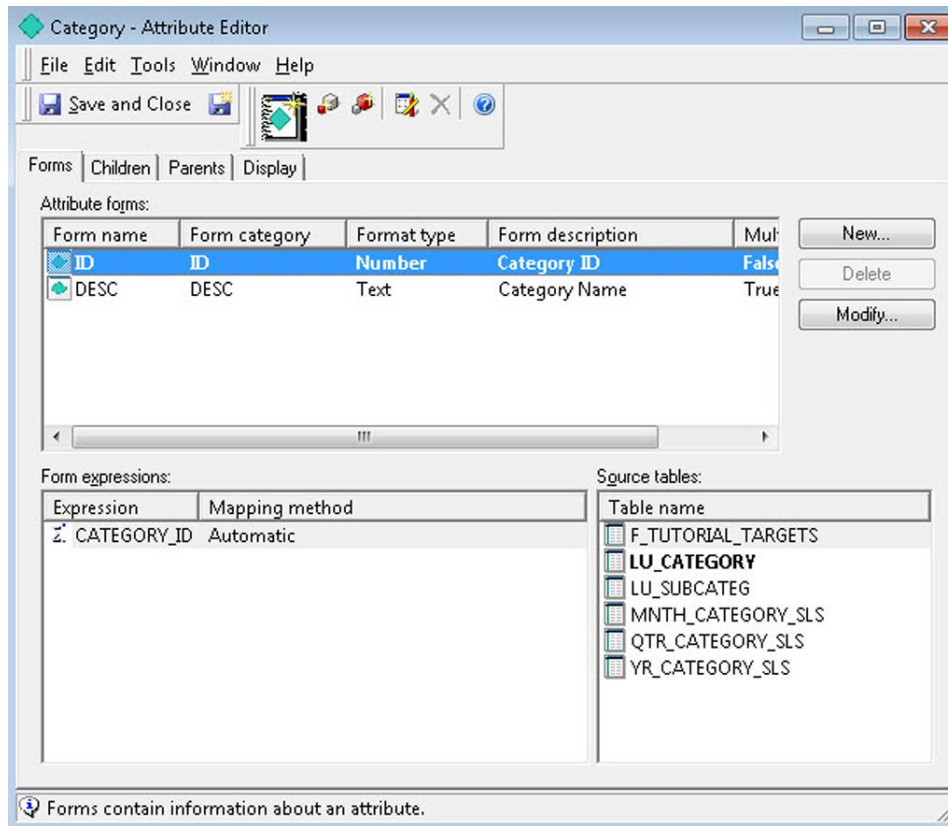
Type: Number Report sort: None

Geographical role: None Browse sort: None

Image layout shape file: None

OK Cancel Help





New Attribute (ID) - Create New Attribute Form

Definition | Column Alias

Form definition

Expressions:

Expression	Mapping method
z: COUNTRY_ID	Automatic

Source tables:

Table name
<input checked="" type="checkbox"/> LU_COUNTRY
<input checked="" type="checkbox"/> LU_REGION

New... Delete Modify... Select all Clear all Set as Lookup

Form general information

Name: ID

Description:

Supports multiple languages

Form category

Category used: ID Modify...

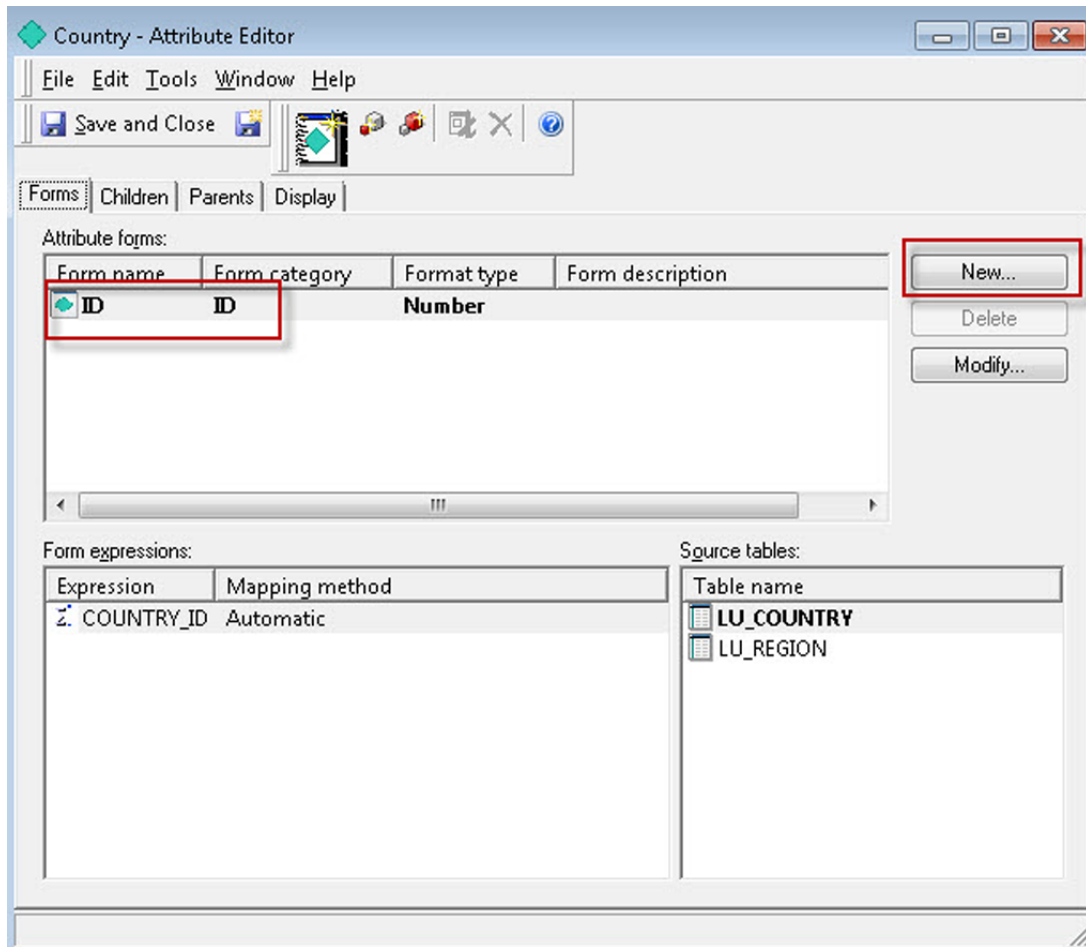
Form format

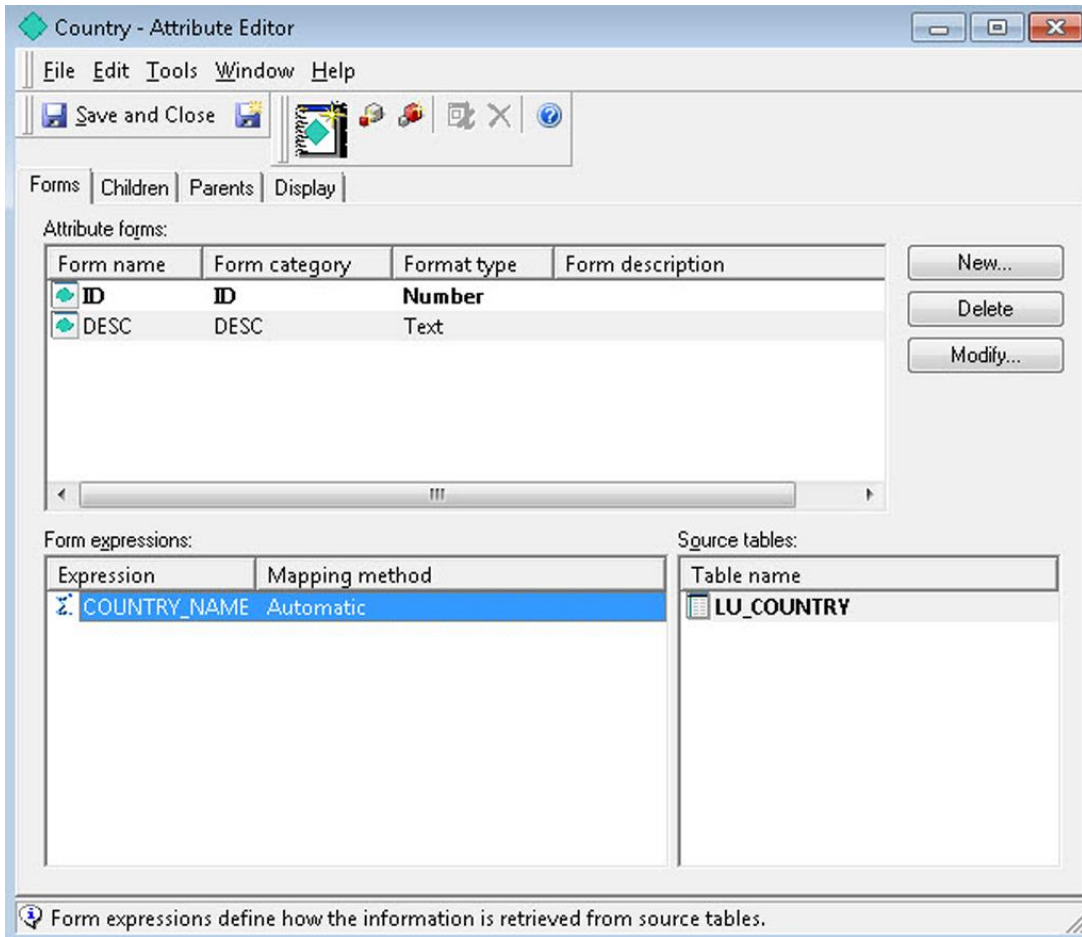
Type: Number Report sort: None

Geographical role: None Browse sort: None

Image layout shape file: None

OK Cancel Help





Attribute forms:

Form name	Form category	Format type	Form description
ID	ID	Number	
DESC	DESC	Text	

New...

Delete

Modify...

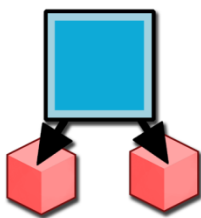
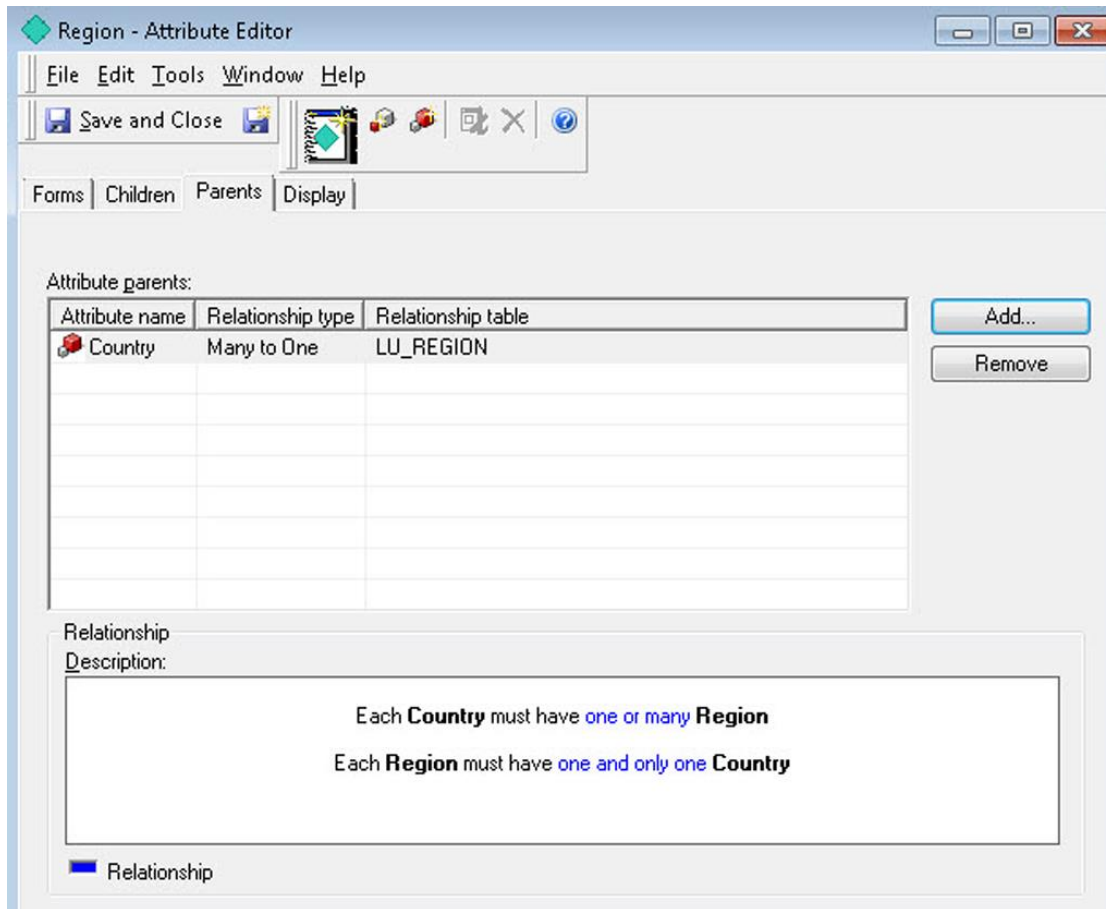
Form expressions:

Expression	Mapping method
COUNTRY_NAME	Automatic

Source tables:

Table name
LU_COUNTRY

Form expressions define how the information is retrieved from source tables.



1) What is it for?

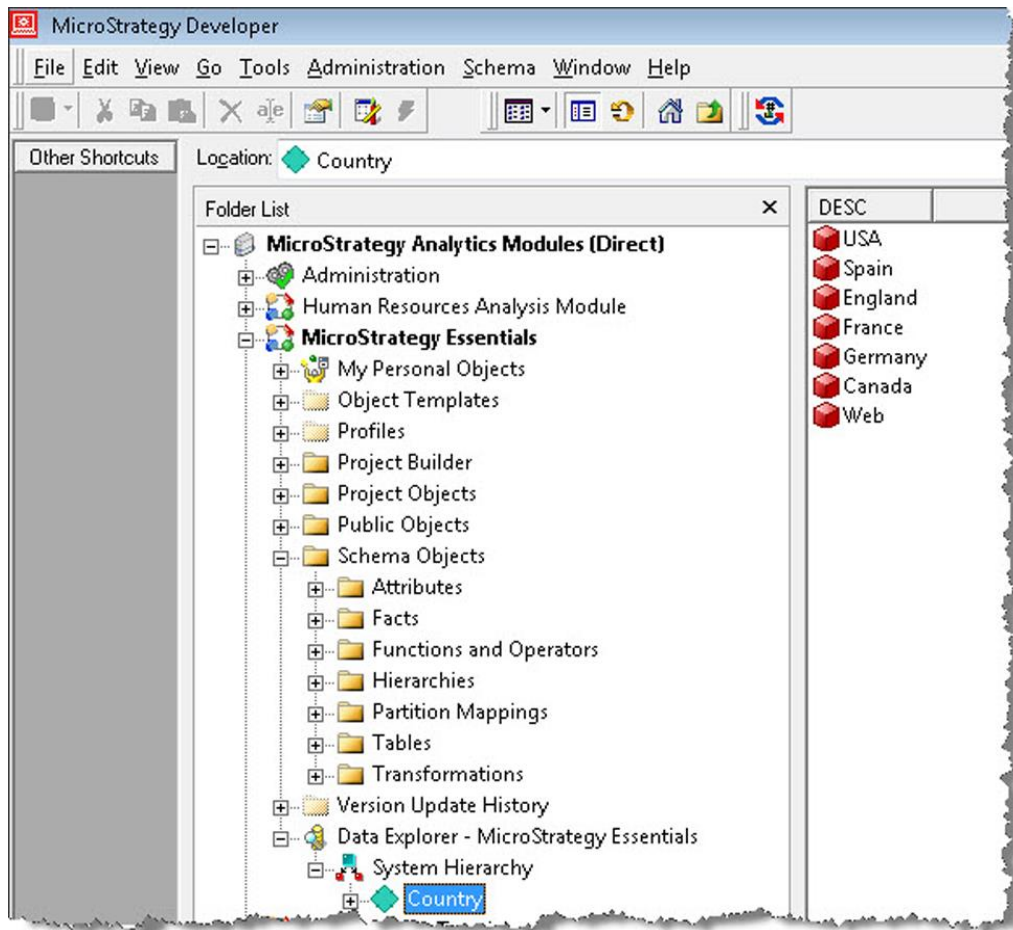
To visualize Attributes, their elements and relationships. To define Drill Maps.

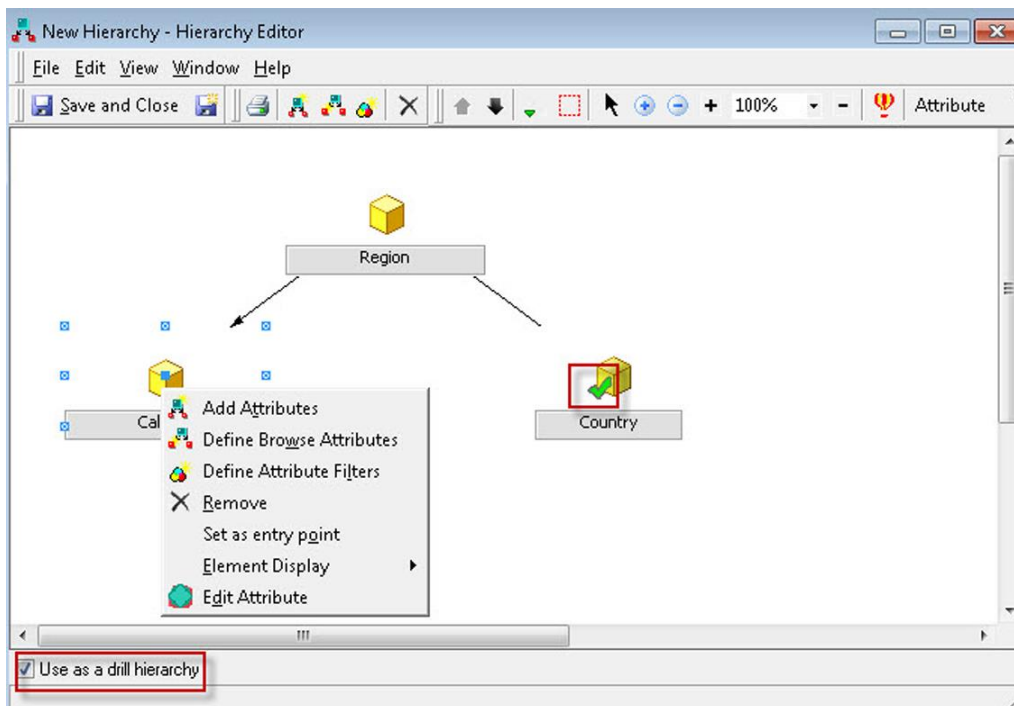
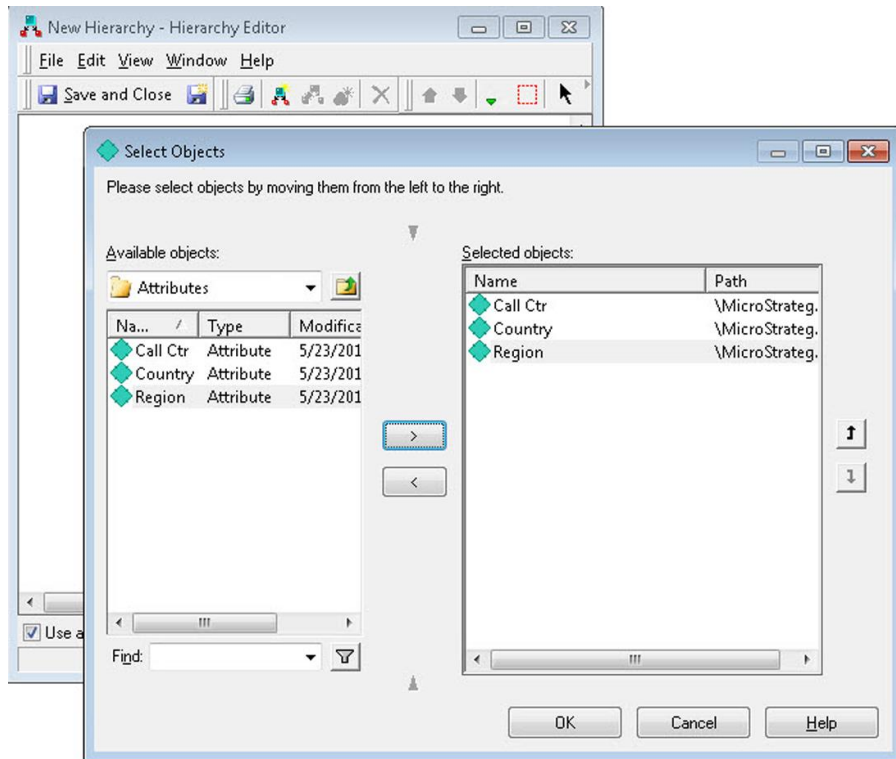
2) What is it made of?

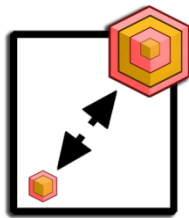
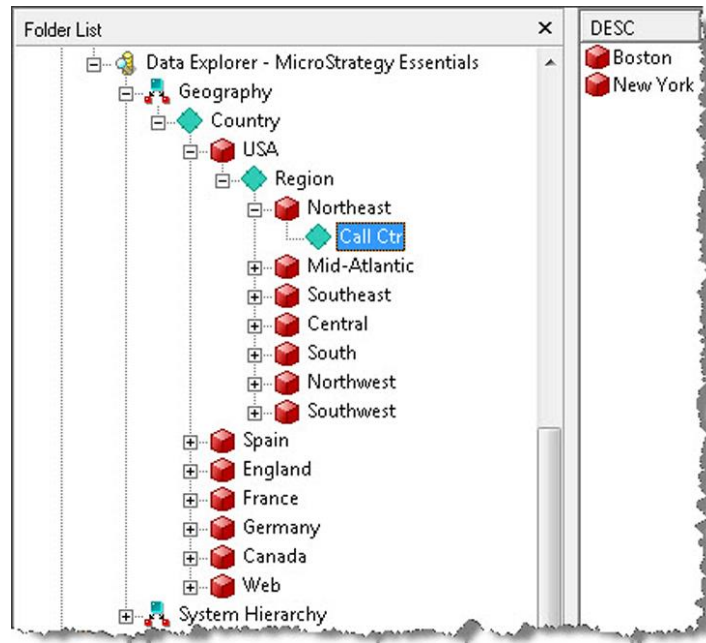
Attributes

3) Where can it be used?

Drill Maps, Templates and Metrics (in its dimensionality)

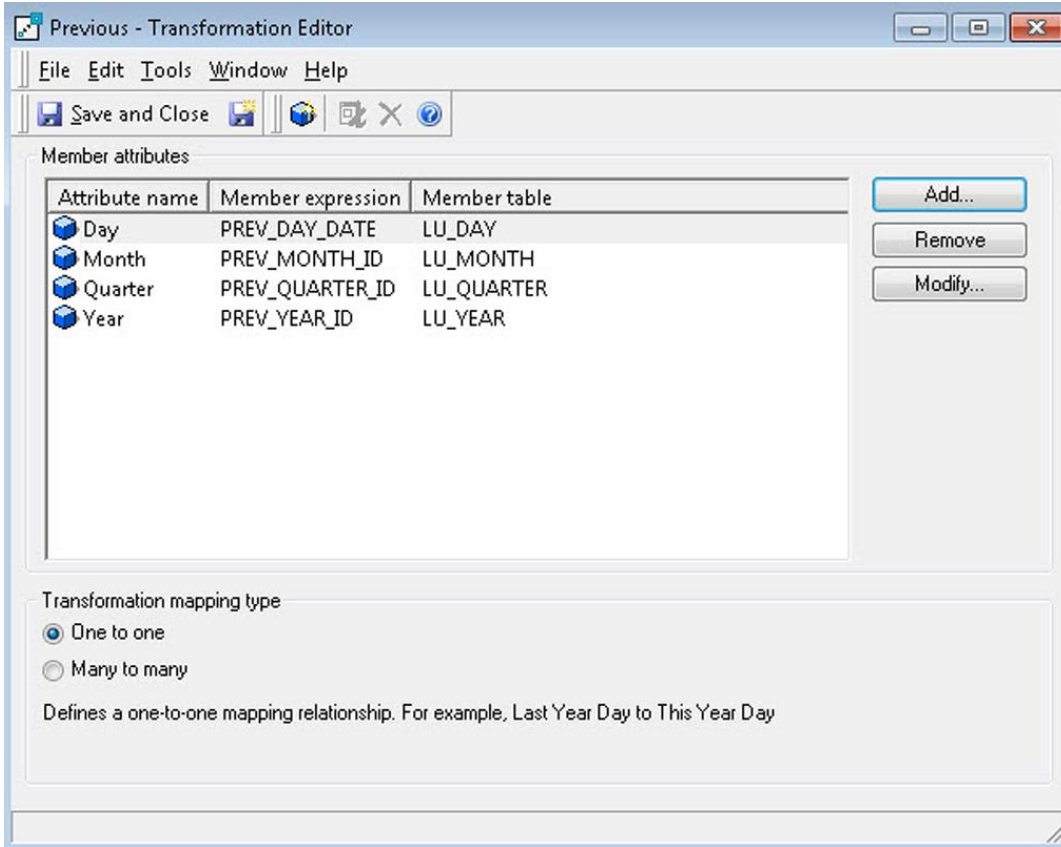




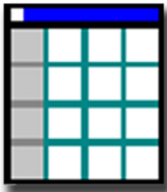
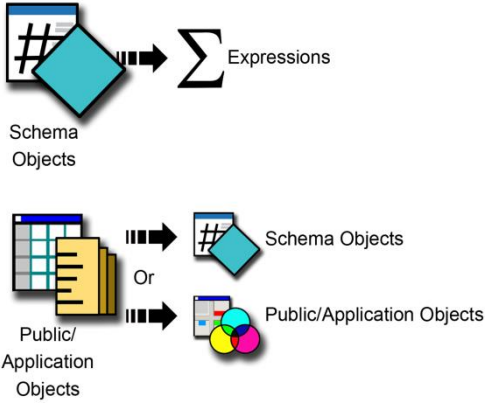


1) What is it for?	To compare measures across time
2) What is it made of?	Columns from a MicroStrategy Table (Expression-based/Table-based)
3) Where can it be used?	Metrics

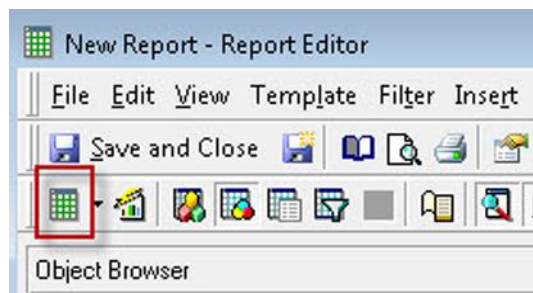
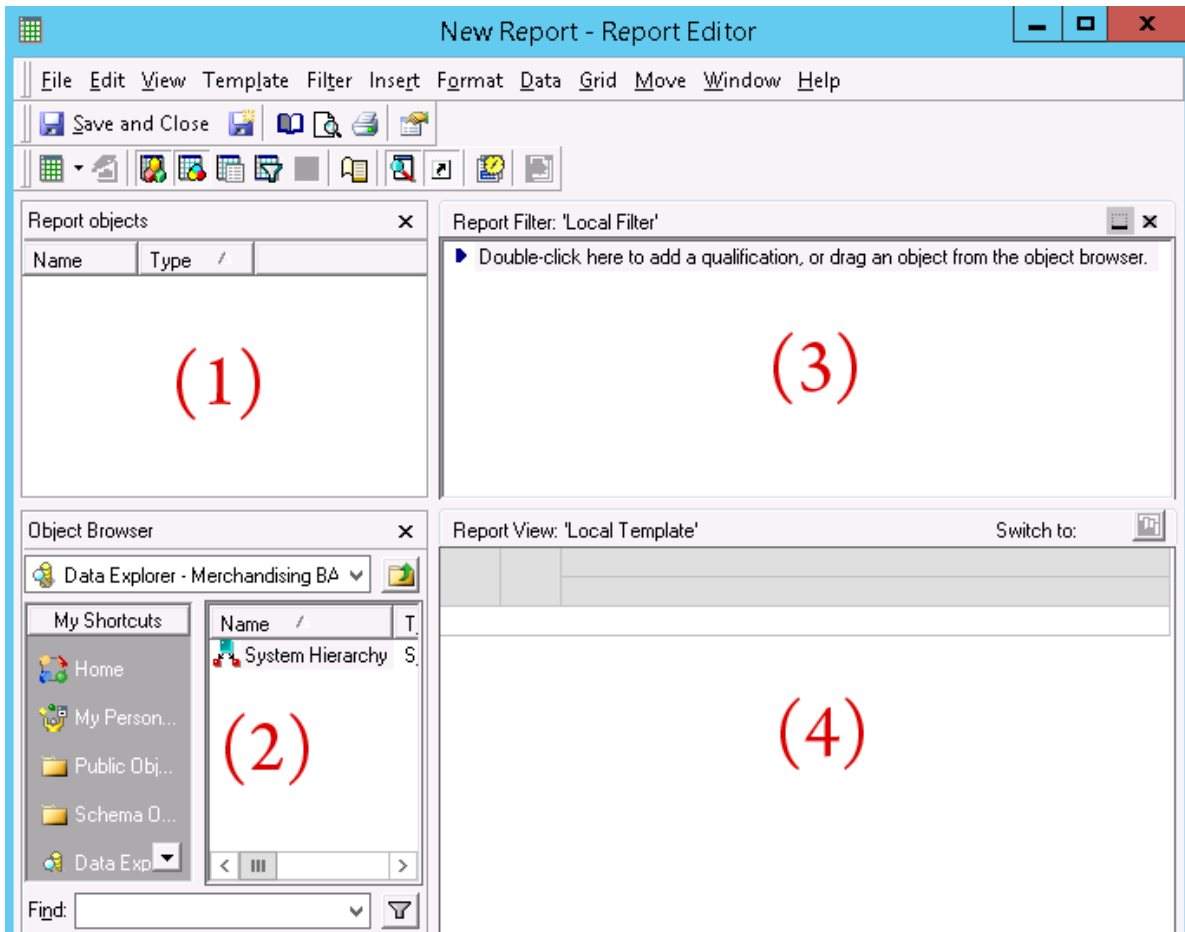




# Chapter 3: Basic Reporting - Building Your First Reports



1) What is it for?	To visualize, manipulate, analyze and discover information
2) What is it made of?	Filters and Templates
3) Where can it be used?	Documents, Filters and another Reports



New Report

File Edit View Insert Format Data Grid Move Window Help

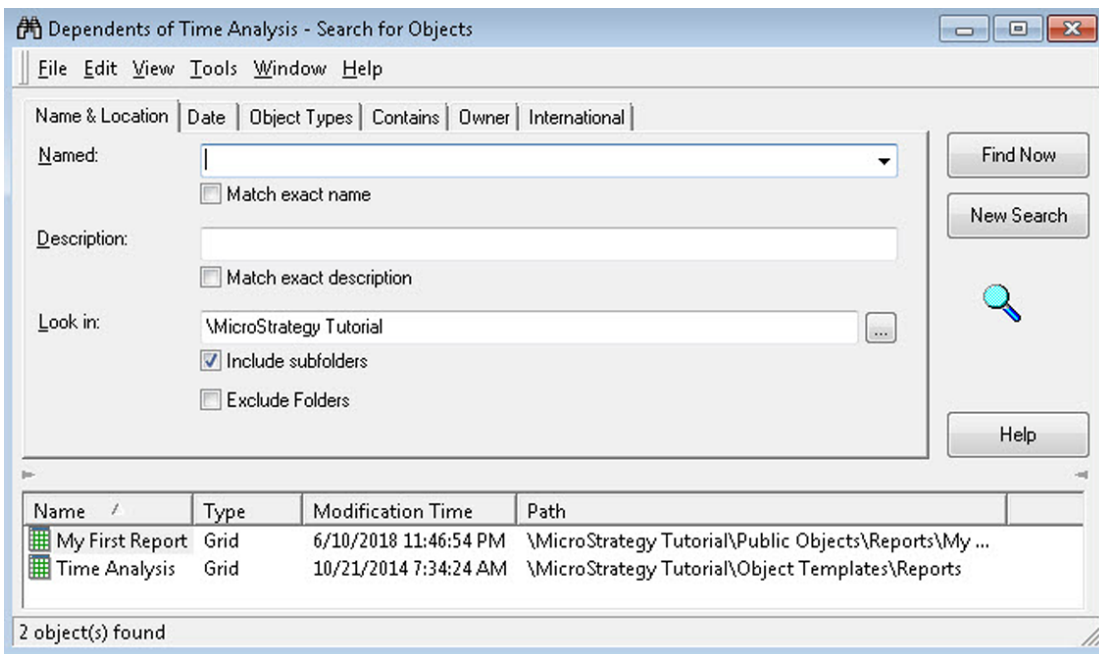
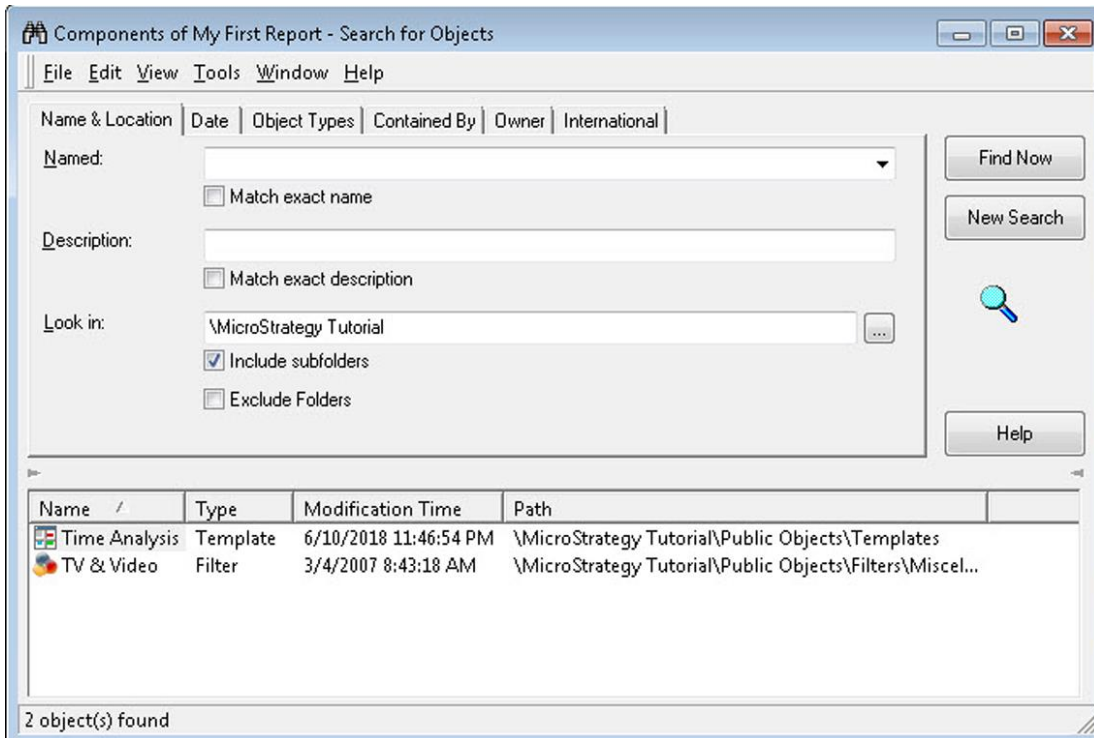
Save and Close Squares

Report details

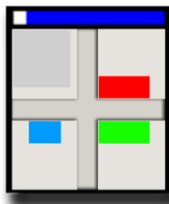
Report Filter:  
(TV & Video)

Year	Quarter	Month	Month of Year	Metrics	Percent Growth	Profit	Revenue	Cost	Units Sold
2015	2015 Q1	Jan 2015	January		52.48%	\$40,262	\$197,365	\$157,103	583
2015	2015 Q1	Feb 2015	February		39.84%	\$41,550	\$203,356	\$161,806	596
2015	2015 Q1	Mar 2015	March		49.14%	\$48,078	\$236,427	\$188,349	668
2015	2015 Q2	Apr 2015	April		44.90%	\$35,828	\$218,275	\$182,447	685
2015	2015 Q2	May 2015	May		37.34%	\$38,242	\$230,544	\$192,302	679
2015	2015 Q2	Jun 2015	June		35.32%	\$49,093	\$240,349	\$191,256	699
2015	2015 Q3	Jul 2015	July		36.93%	\$38,817	\$251,417	\$212,601	811
2015	2015 Q3	Aug 2015	August		24.63%	\$48,542	\$255,374	\$206,831	750
2015	2015 Q3	Sep 2015	September		18.41%	\$52,621	\$276,065	\$223,443	809
2015	2015 Q4	Oct 2015	October		45.76%	\$56,375	\$276,049	\$219,674	795
2015	2015 Q4	Nov 2015	November		24.33%	\$41,737	\$281,926	\$240,189	846
2015	2015 Q4	Dec 2015	December		8.27%	\$39,181	\$283,454	\$244,273	855
2016	2016 Q1	Jan 2016	January		19.41%	\$47,969	\$235,682	\$187,713	745
2016	2016 Q1	Feb 2016	February		33.88%	\$55,565	\$272,260	\$216,695	749
2016	2016 Q1	Mar 2016	March		22.06%	\$58,882	\$288,585	\$229,703	823
2016	2016 Q2	Apr 2016	April		28.16%	\$44,594	\$279,742	\$235,148	858
2016	2016 Q2	May 2016	May		28.47%	\$47,261	\$296,183	\$248,923	898
2016	2016 Q2	Jun 2016	June		19.63%	\$58,530	\$287,528	\$228,998	857
2016	2016 Q3	Jul 2016	July		25.79%	\$50,791	\$316,252	\$265,461	941
2016	2016 Q3	Aug 2016	August		22.99%	\$60,387	\$314,076	\$253,690	899
2016	2016 Q3	Sep 2016	September		16.82%	\$61,864	\$322,508	\$260,645	928
2016	2016 Q4	Oct 2016	October		40.24%	\$78,675	\$387,136	\$308,461	1,091
2016	2016 Q4	Nov 2016	November		29.89%	\$54,103	\$366,201	\$312,098	1,151
2016	2016 Q4	Dec 2016	December		41.29%	\$59,994	\$400,498	\$340,504	1,228

Execution complete Execution Time: 00:00:00 Rows: 24 Columns: 5 Time Analysis OLAP



Subcategory	Year	Quarter	Month	Month of Year	Metrics	Percent Growth	Profit	Revenue	Cost	Units Sold
TV's	2015	2015 Q1	Jan 2015	January	64.74%	\$18,126	\$89,495	\$71,369	345	
TV's	2015	2015 Q1	Feb 2015	February	34.25%	\$17,295	\$85,326	\$68,031	333	
TV's	2015	2015 Q1	Mar 2015	March	54.11%	\$20,728	\$102,867	\$82,139	369	
TV's	2015	2015 Q2	Apr 2015	April	42.62%	\$14,820	\$92,222	\$77,402	403	
TV's	2015	2015 Q2	May 2015	May	38.67%	\$15,299	\$94,343	\$79,044	380	
TV's	2015	2015 Q2	Jun 2015	June	26.24%	\$19,817	\$98,009	\$78,192	386	
TV's	2015	2015 Q3	Jul 2015	July	25.23%	\$16,314	\$110,319	\$94,005	487	
TV's	2015	2015 Q3	Aug 2015	August	10.49%	\$18,911	\$100,636	\$81,725	414	
TV's	2015	2015 Q3	Sep 2015	September	6.69%	\$21,422	\$112,625	\$91,203	453	
TV's	2015	2015 Q4	Oct 2015	October	23.82%	\$22,346	\$110,909	\$88,563	438	
TV's	2015	2015 Q4	Nov 2015	November	43.59%	\$18,457	\$129,553	\$111,097	498	
TV's	2015	2015 Q4	Dec 2015	December	3.44%	\$16,388	\$119,573	\$103,185	478	
TV's	2016	2016 Q1	Jan 2016	January	15.04%	\$20,785	\$102,952	\$82,167	429	
TV's	2016	2016 Q1	Feb 2016	February	15.30%	\$19,869	\$98,380	\$78,511	412	
TV's	2016	2016 Q1	Mar 2016	March	28.80%	\$26,794	\$132,495	\$105,701	488	
TV's	2016	2016 Q2	Apr 2016	April	31.58%	\$19,143	\$121,342	\$102,199	494	
TV's	2016	2016 Q2	May 2016	May	37.22%	\$20,322	\$129,452	\$109,131	502	
TV's	2016	2016 Q2	Jun 2016	June	38.91%	\$27,506	\$136,148	\$108,642	515	
TV's	2016	2016 Q3	Jul 2016	July	8.96%	\$19,358	\$120,208	\$100,850	516	
TV's	2016	2016 Q3	Aug 2016	August	27.16%	\$24,066	\$127,969	\$103,903	483	
TV's	2016	2016 Q3	Sep 2016	September	19.51%	\$25,843	\$134,600	\$108,757	510	
TV's	2016	2016 Q4	Oct 2016	October	54.19%	\$34,484	\$171,016	\$136,532	626	
TV's	2016	2016 Q4	Nov 2016	November	29.55%	\$24,455	\$167,832	\$143,377	669	
TV's	2016	2016 Q4	Dec 2016	December	45.98%	\$25,136	\$174,547	\$149,411	714	
Video Equipment	2015	2015 Q1	Jan 2015	January	43.62%	\$22,135	\$107,870	\$85,735	238	
Video Equipment	2015	2015 Q1	Feb 2015	February	44.19%	\$24,254	\$118,030	\$93,776	263	
Video Equipment	2015	2015 Q1	Mar 2015	March	45.52%	\$27,350	\$133,560	\$106,210	299	
Video Equipment	2015	2015 Q2	Apr 2015	April	46.61%	\$21,009	\$126,053	\$105,044	282	
Video Equipment	2015	2015 Q2	May 2015	May	36.43%	\$22,943	\$136,201	\$113,258	299	
Video Equipment	2015	2015 Q2	Jun 2015	June	42.37%	\$29,276	\$142,340	\$113,064	313	
Video Equipment	2015	2015 Q3	Jul 2015	July	47.71%	\$22,502	\$141,098	\$118,596	324	
Video Equipment	2015	2015 Q3	Aug 2015	August	35.94%	\$29,632	\$154,738	\$125,106	336	
Video Equipment	2015	2015 Q3	Sep 2015	September	28.10%	\$31,200	\$163,440	\$132,240	356	
Video Equipment	2015	2015 Q4	Oct 2015	October	65.45%	\$34,029	\$165,140	\$131,111	357	
Video Equipment	2015	2015 Q4	Nov 2015	November	11.60%	\$23,280	\$152,373	\$129,093	348	

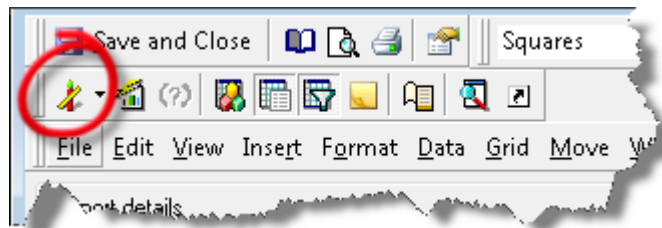


1) What is it for?	To layout and format the information in the Report
2) What is it made of?	Attributes, Metrics, Consolidations, Custom Groups, Object Prompts
3) Where can it be used?	Reports, Object Prompts, Drill Maps



1) What is it for?	To slice and segment the information
2) What is it made of?	Attributes, Metrics, other Filters, Prompts, Reports and Expressions
3) Where can it be used?	Reports, Filters, Metrics, Custom Groups, Object Prompts, Hierarchies

Region	Call Center	Metrics	Revenue	Cost
Central	Milwaukee		\$4,182,139	\$3,544,594
	Fargo		\$847,227	\$720,449
Mid-Atlantic	Washington, DC		\$3,135,283	\$2,662,083
	Charleston		\$1,317,332	\$1,117,448
Northeast	Boston		\$1,487,936	\$1,263,442
	New York		\$7,066,478	\$5,990,241
Northwest	San Francisco		\$1,021,447	\$865,116
	Seattle		\$739,741	\$629,086
South	New Orleans		\$3,305,039	\$2,800,048
	Memphis		\$2,084,241	\$1,782,276
Southeast	Atlanta		\$1,052,108	\$894,145
	Miami		\$1,187,843	\$1,009,131
Southwest	San Diego		\$2,962,719	\$2,513,166
	Salt Lake City		\$731,413	\$619,634
Web	Web		\$3,902,762	\$3,319,225



Report Filter: 'Local Filter' ☰ ✕

**Region In list** ⌵

▶ Double-click here to add a qualification, or drag an object from the object browser.

---

**Attribute Qualification** ✕

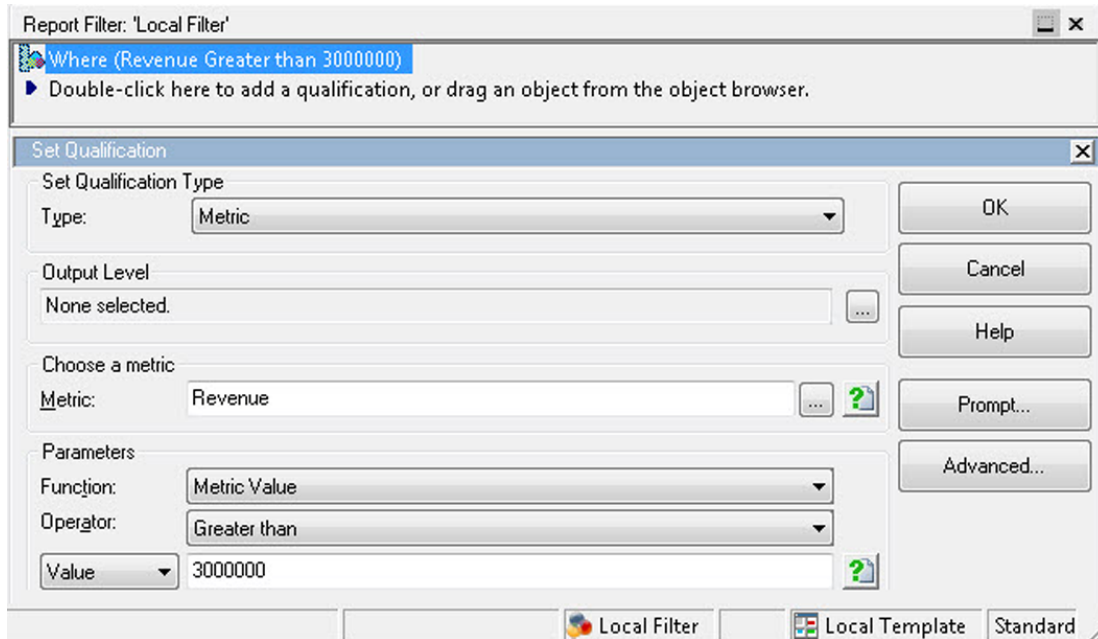
Choose an attribute

Attribute:  ⋮

Qualify On:  ⌵

Operator:  ⌵

Value ⌵  ?



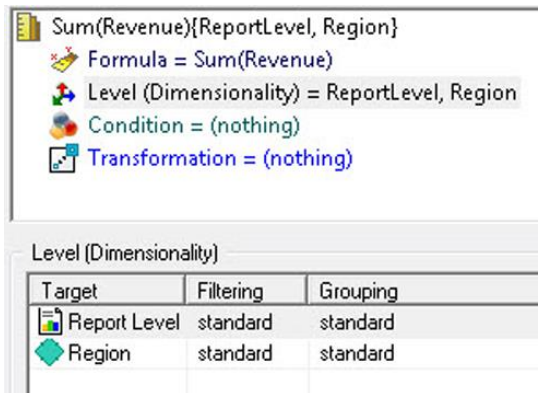
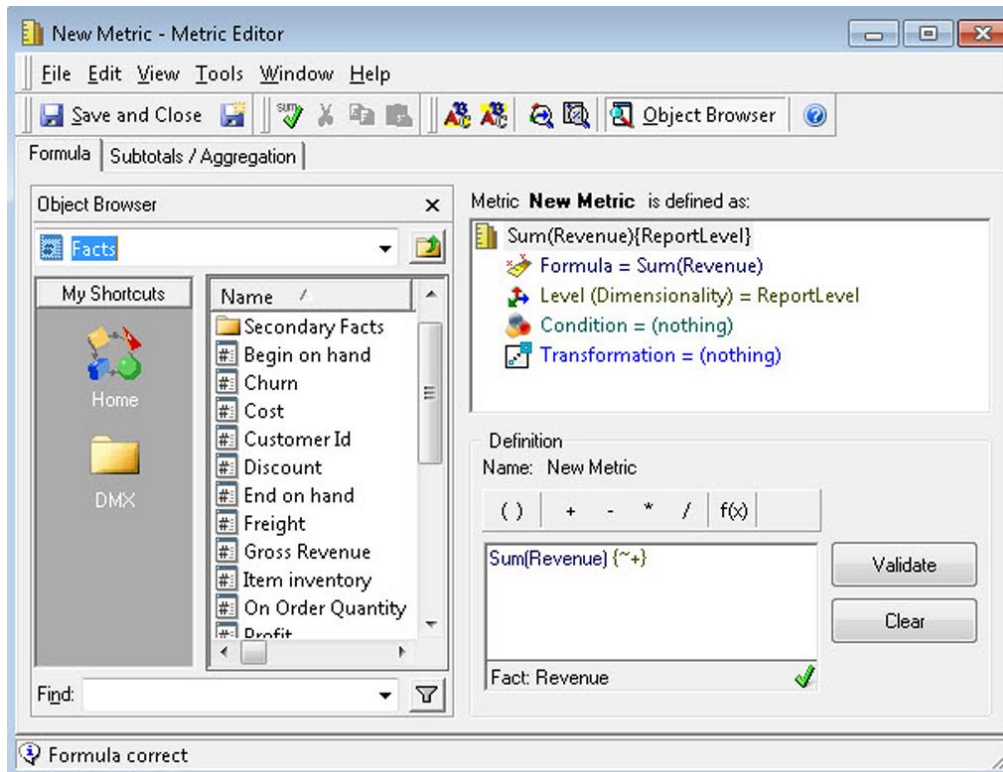
1) What is it for?	To aggregate a business measure (Fact) into a business context (Attribute)
2) What is it made of?	Functions and Operators, Facts, Attributes, other Metrics, Base Formulas, Filters, Transformations, Subtotals
3) Where can it be used?	Templates, Filters, Object Prompts and other Metrics

$$\text{Filter Icon} = f(\#) \sim \diamond$$



Region	Call Center	Metrics	Revenue	Cost
Central	Milwaukee		\$4,182,139	\$3,544,594
	Fargo		\$847,227	\$720,449
Mid-Atlantic	Washington, DC		\$3,135,283	\$2,662,083
	Charleston		\$1,317,332	\$1,117,448
Northeast	Boston		\$1,487,936	\$1,263,442
	New York		\$7,066,478	\$5,990,241
Northwest	San Francisco		\$1,021,447	\$865,116
	Seattle		\$739,741	\$629,086
South	New Orleans		\$3,305,039	\$2,800,048
	Memphis		\$2,084,241	\$1,782,276
Southeast	Atlanta		\$1,052,108	\$894,145
	Miami		\$1,187,843	\$1,009,131
Southwest	San Diego		\$2,962,719	\$2,513,166
	Salt Lake City		\$731,413	\$619,634
Web	Web		\$3,902,762	\$3,319,225

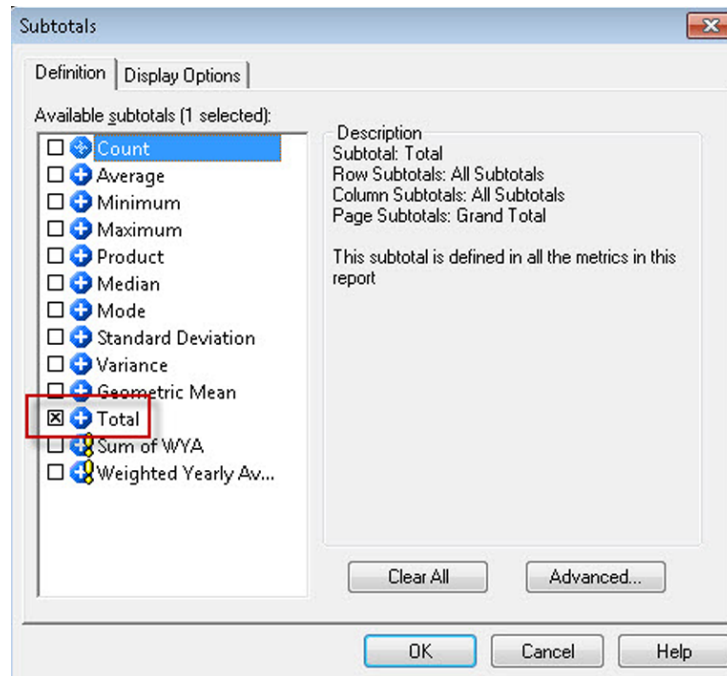
Year	Region	Call Center	Month	Metrics	Revenue	Cost
2016	Central	Milwaukee	Jan 2016		\$114,310	\$94,314
			Feb 2016		\$130,734	\$107,482
			Mar 2016		\$135,406	\$111,183
			Apr 2016		\$130,398	\$113,318
			May 2016		\$143,448	\$124,911
			Jun 2016		\$132,725	\$109,613
			Jul 2016		\$140,961	\$121,358
			Aug 2016		\$138,222	\$116,414
			Sep 2016		\$156,980	\$131,691
			Oct 2016		\$163,855	\$134,667
			Nov 2016		\$168,399	\$148,547
			Dec 2016		\$186,477	\$163,899
	Central	Fargo	Jan 2016		\$24,092	\$19,947
			Feb 2016		\$21,556	\$17,804
			Mar 2016		\$27,311	\$22,505
			Apr 2016		\$27,841	\$24,384
			May 2016		\$30,099	\$26,036
			Jun 2016		\$21,883	\$18,159
			Jul 2016		\$37,552	\$32,175
			Aug 2016		\$24,031	\$20,025
			Sep 2016		\$27,667	\$23,083
			Oct 2016		\$27,952	\$23,070
			Nov 2016		\$25,589	\$22,870
			Dec 2016		\$31,240	\$27,720

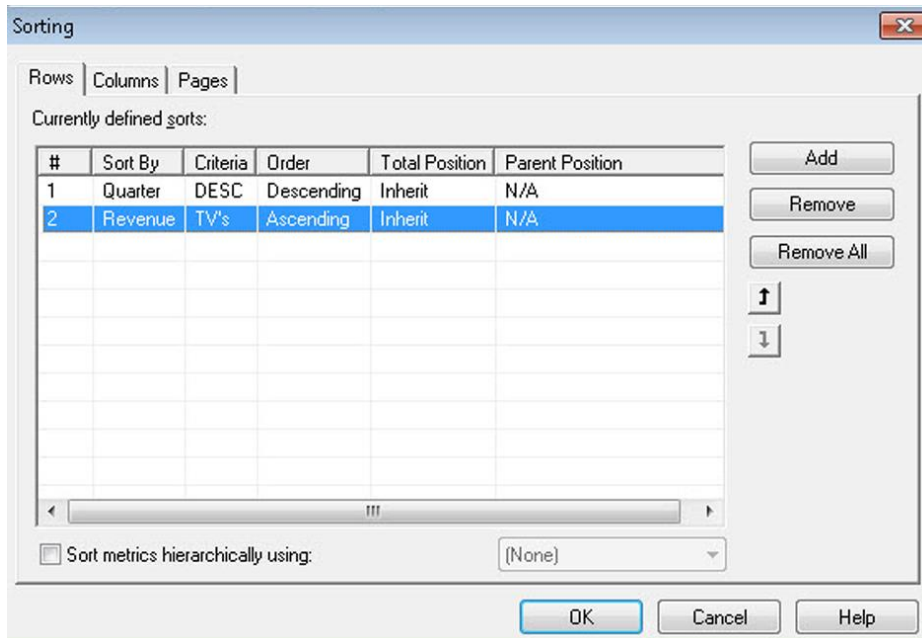
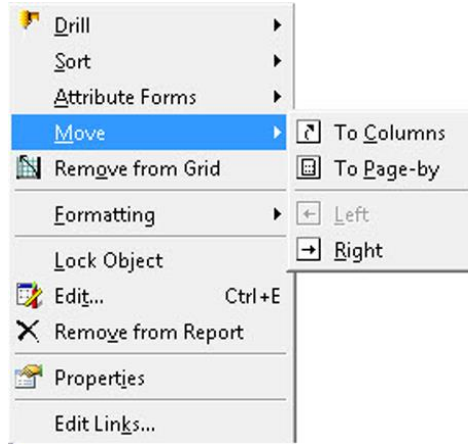


		Metrics	Revenue	Cost	Sales	Regional Sales
Central	Milwaukee		\$4,182,139	\$3,544,594	4,182,139	5,029,366
	Fargo		\$847,227	\$720,449	847,227	5,029,366
South	New Orleans		\$3,305,039	\$2,800,048	3,305,039	5,389,280
	Memphis		\$2,084,241	\$1,782,276	2,084,241	5,389,280

Region	Year	Metrics	Sales	Last Year Sales
Central	2015		1,667,004	1,293,634
	2016		2,068,728	1,667,004
South	2015		1,822,819	1,415,767
	2016		2,150,695	1,822,819

Region	Year	Metrics	Revenue
Central	2014		\$1,293,634
	2015		\$1,667,004
	2016		\$2,068,728
South	2014		\$1,415,767
	2015		\$1,822,819
	2016		\$2,150,695





Year: 2015

Quarter	Month	Month of Year	Subcategory					TV's		Vid			
			Metrics	Percent Growth	Profit	Revenue	Cost	Units Sold	Percent Growth	Pro			
2015 Q4	Oct 2015	October		23.82%	\$22,346	\$110,909	\$88,563	438	65.45%	\$34,029	\$163,440	\$131,111	357
	Dec 2015	December		3.44%	\$16,388	\$119,573	\$103,185	478	12.09%	\$22,793	\$163,882	\$141,088	377
	Nov 2015	November		43.59%	\$18,457	\$129,553	\$111,097	498	11.60%	\$23,280	\$152,373	\$129,093	348
2015 Q3	Aug 2015	August		10.49%	\$18,911	\$100,636	\$81,725	414	35.94%	\$29,632	\$154,738	\$125,106	336
	Jul 2015	July		25.23%	\$16,314	\$110,319	\$94,005	487	47.71%	\$22,502	\$141,098	\$118,596	324
	Sep 2015	September		6.69%	\$21,422	\$112,625	\$91,203	453	28.10%	\$31,200	\$163,440	\$132,240	356
2015 Q2	Apr 2015	April		42.62%	\$14,820	\$92,222	\$77,402	403	46.61%	\$21,009	\$126,053	\$105,044	282
	May 2015	May		38.67%	\$15,299	\$94,343	\$79,044	380	36.43%	\$22,943	\$136,201	\$113,258	299
	Jun 2015	June		26.24%	\$19,817	\$98,009	\$78,192	386	42.37%	\$29,276	\$142,340	\$113,064	313
2015 Q1	Feb 2015	February		34.25%	\$17,295	\$85,326	\$68,031	333	44.19%	\$24,254	\$118,030	\$93,776	263
	Jan 2015	January		64.74%	\$18,126	\$89,495	\$71,369	345	43.62%	\$22,135	\$107,870	\$85,735	238
	Mar 2015	March		54.11%	\$20,728	\$102,867	\$82,139	369	45.52%	\$27,350	\$133,560	\$106,210	299

Video Equipment			
Percent Growth	Profit	Revenue	Units Sold
65.45%	\$34,029	\$1	
12.09%	\$22,793	\$1	
11.60%	\$23,280	\$1	
35.94%	\$29,632	\$1	
47.71%	\$22,502	\$1	
28.10%	\$31,200	\$1	
46.61%	\$21,009	\$1	
36.43%	\$22,943	\$1	
42.37%	\$29,276	\$1	
44.19%	\$24,254	\$1	
43.62%	\$22,135	\$1	
45.52%	\$27,350	\$1	

- Drill
- Sort rows by this column
- Insert
  - Percent to Total
    - Over Rows
    - Over Columns
    - Page Total
    - Grand Total**
    - Total for each
  - Transformations
  - Rank
    - New Metric...
    - New Training Metric...
- Filter On
- Move
- Remove from Grid
- Formatting
- Thresholds...
- Lock Object
- Edit... Ctrl+E
- Remove from Report
- Properties
- Edit Links...

Thresholds

Revenue

New...

New Threshold

Revenue Greater than 110000

[Click here to start a new qualification](#)

Format

1234.12

New Threshold (1)

Revenue Less than 90000

[Click here to start a new qualification](#)

Format

1234.12

Allow user to display and hide thresholds

OK Cancel Help

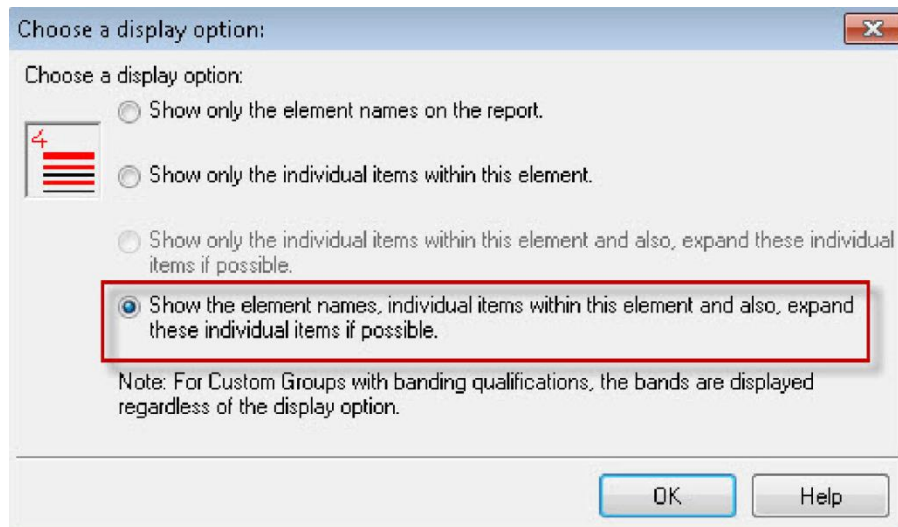
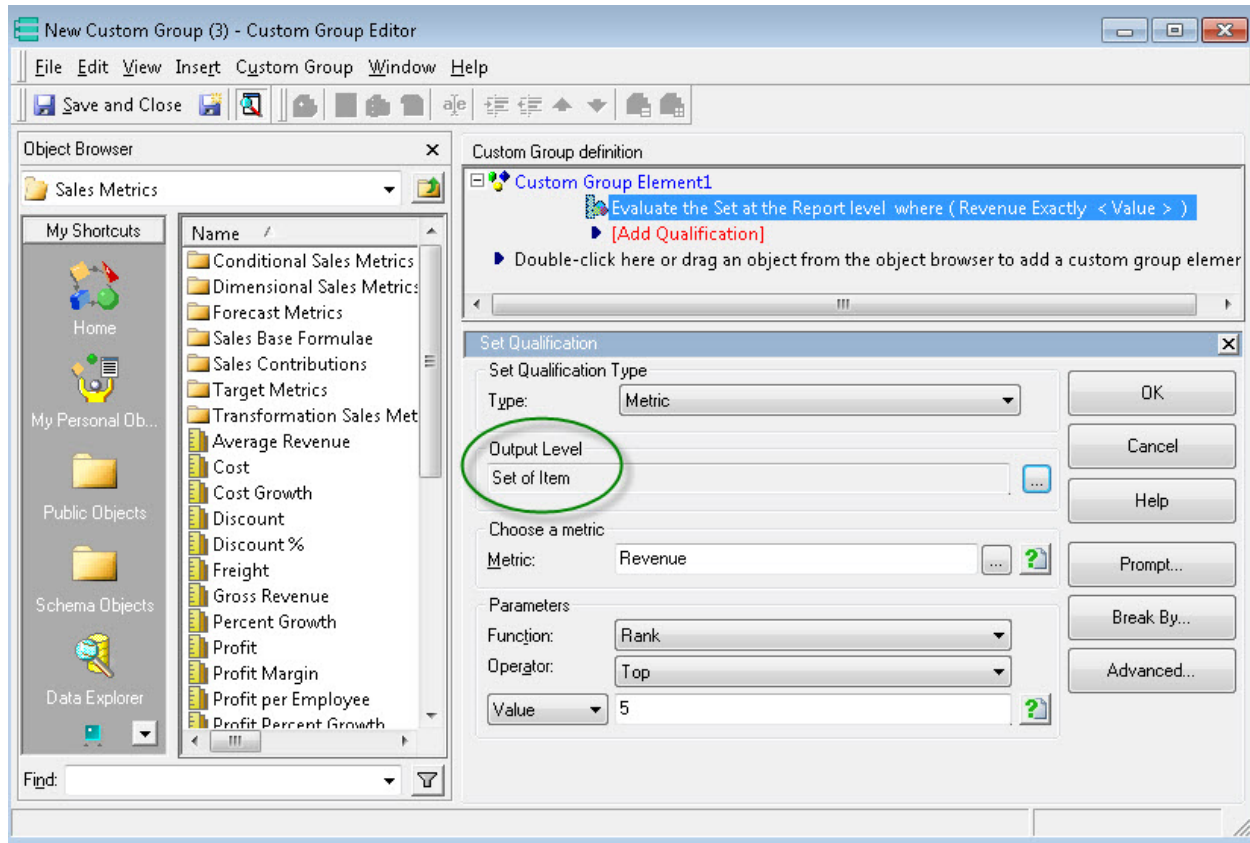
## Chapter 4: Advanced Reporting - Interacting with and Improving Your Reports

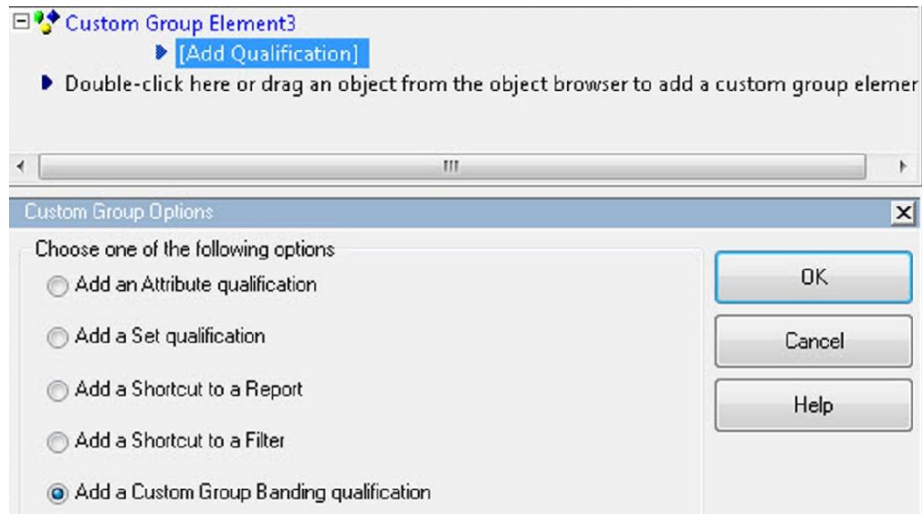


1) What is it for?	To create dynamic sets of data with different filtering criteria
2) What is it made of?	Custom Group elements (Filters and Bands or N-tiles)
3) Where can it be used?	Templates, Object Prompts, Drill Maps

	Metrics	Revenue
<b>Top and bottom products</b>		
Top 5 products		\$3,833,938
Bottom 5 products		\$67,018

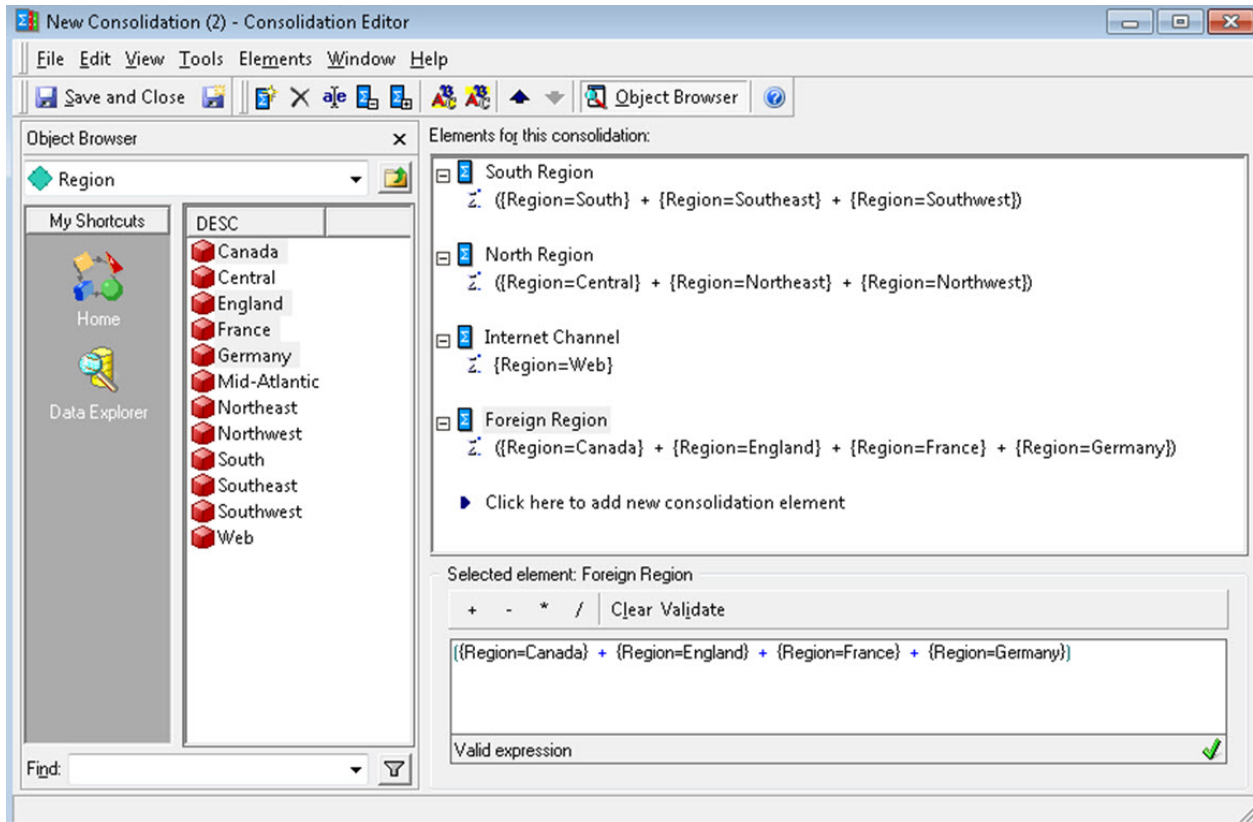
	Metrics	Revenue
<b>Top and bottom products</b>		
Top 5 products		\$3,833,938
	Harman Kardon Digital Surround Sound Receiver	\$745,650
	Sharp Mobilon TriPad Handheld PC	\$715,008
	Hewlett Packard OfficeJet Printer	\$711,030
	ErgoRev Elite Wireless Keyboard	\$754,750
	Sony DVD/CD/Video Player	\$907,500
Bottom 5 products		\$67,018
	The Prince	\$14,878
	Lord of the Flies	\$12,952
	Test Your Baseball IQ	\$10,902
	The Rules for Cats	\$17,237
	Test Your History I.Q.	\$11,050





1) What is it for?	To create static or derived sets of data based on Attribute elements
2) What is it made of?	Consolidation elements (from Attribute Elements)
3) Where can it be used?	Templates, Object Prompts, Drill Maps

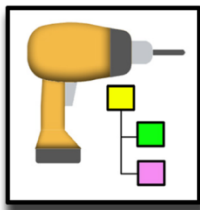
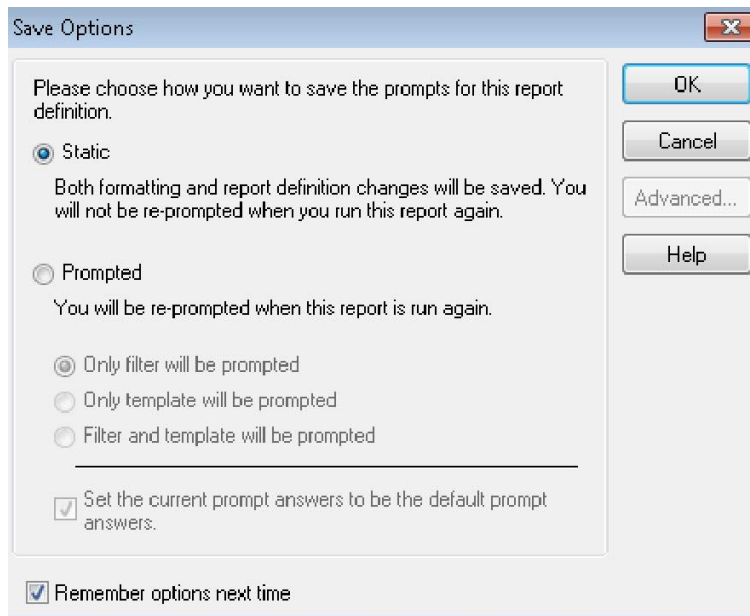
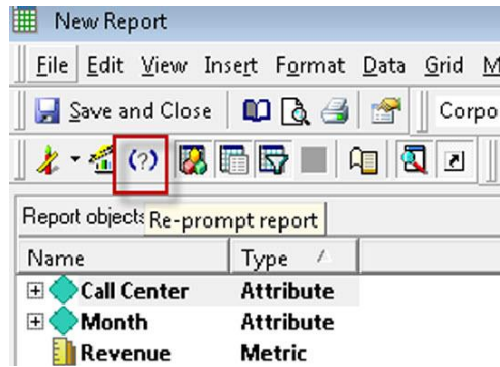




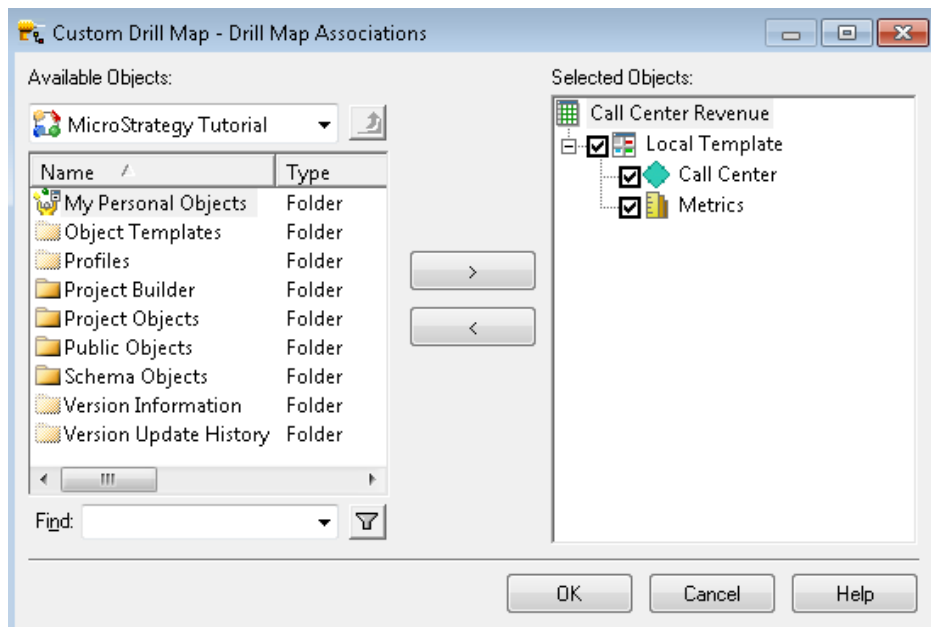
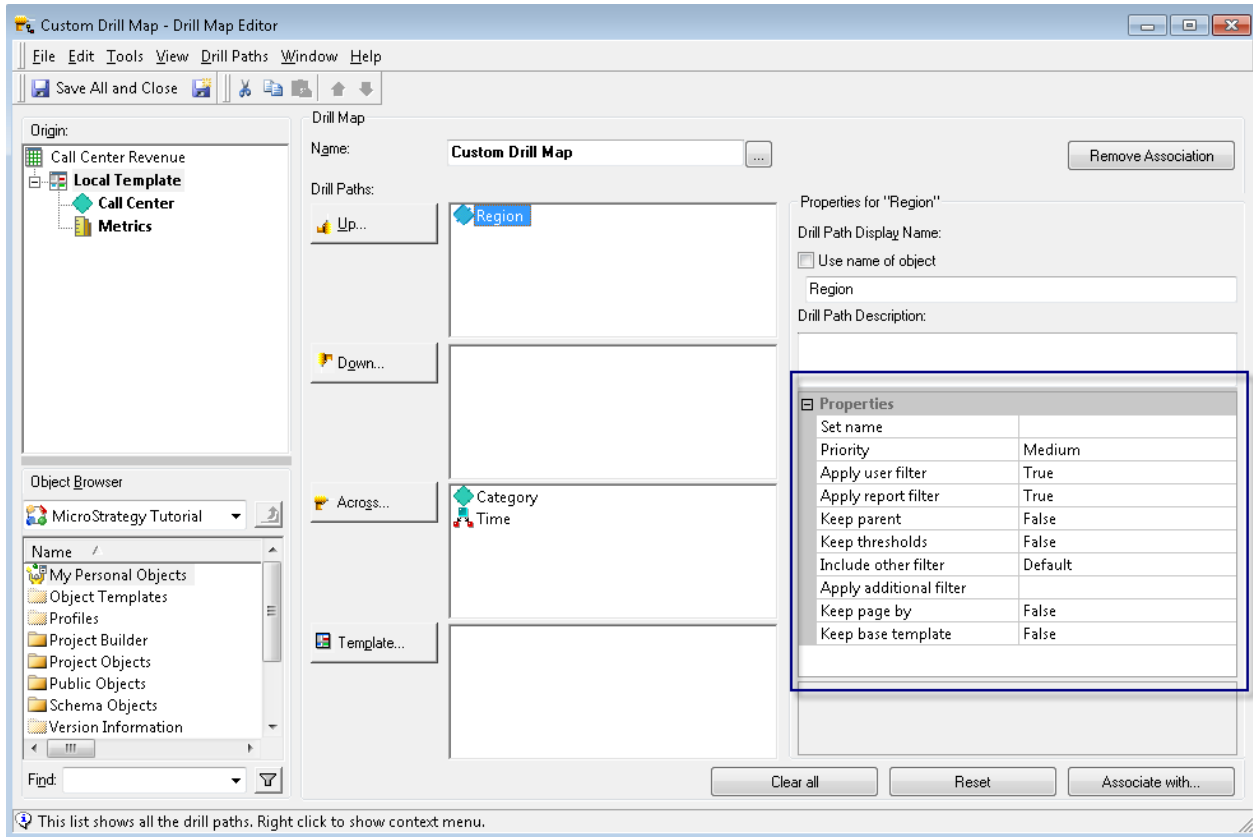
	Metrics	Revenue
<b>Custom Regions</b>		
South Region		\$11,323,363
North Region		\$15,344,968
Internet Channel		\$3,902,762

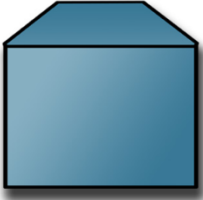


1) What is it for?	To gather information from the user and create dynamic queries for a Report
2) What is it made of?	Filters, Attributes, Hierarchies Metrics, Templates, Facts, Metrics, Functions, Reports, Custom Groups, Consolidations, Values
3) Where can it be used?	Reports, Filters, Metrics, Custom Groups, Prompts, Templates, Subtotals



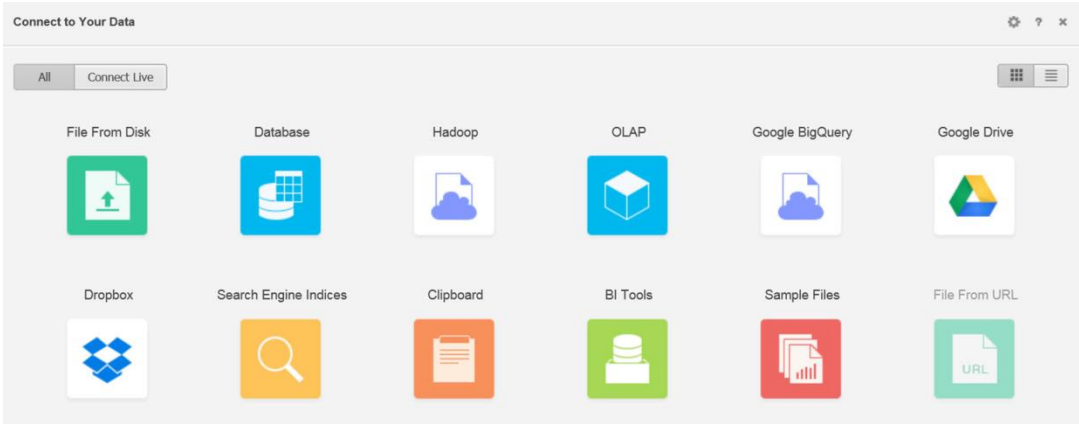
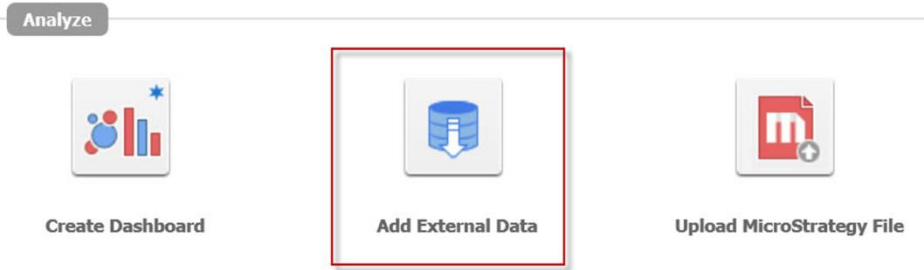
1) What is it for?	To define drill paths or routes to discover information at a different level
2) What is it made of?	Drill Paths (Attributes, Hierarchies and Templates)
3) Where can it be used?	Reports, Templates, Projects





1) What is it for?	To create an in-memory data sources
2) What is it made of?	Filters and Template, Reports
3) Where can it be used?	Documents, Reports (Data set)

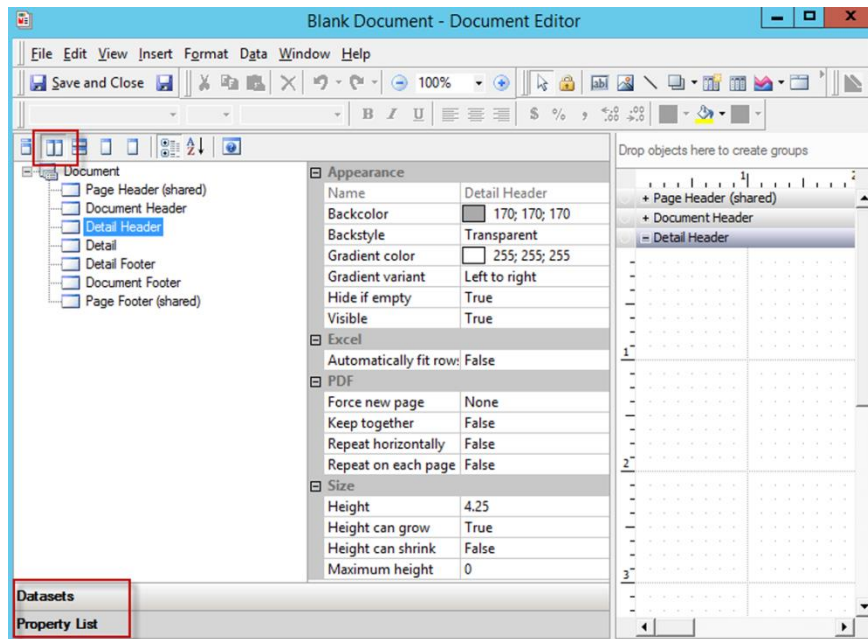
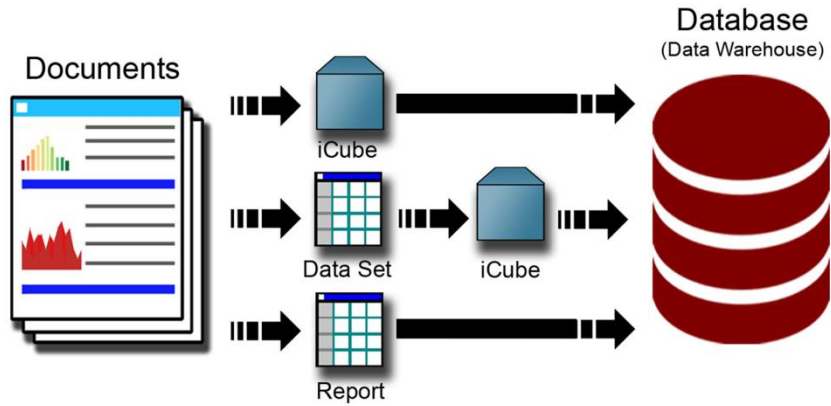
# Chapter 5: Dashboarding - Creating Visual Reporting



CUBE FILTER				
PAGE-BY: Year [dropdown] [refresh] [clear]				
Category	Call Center	Metrics	Profit	Cost
[arrow right] [refresh] [clear] [x]	[arrow left] [refresh] [clear] [x]	[refresh] [clear] [x]	[arrow right] [x]	[arrow left] [x]
<Category>	<Call Center>		<Profit>	<Cost>



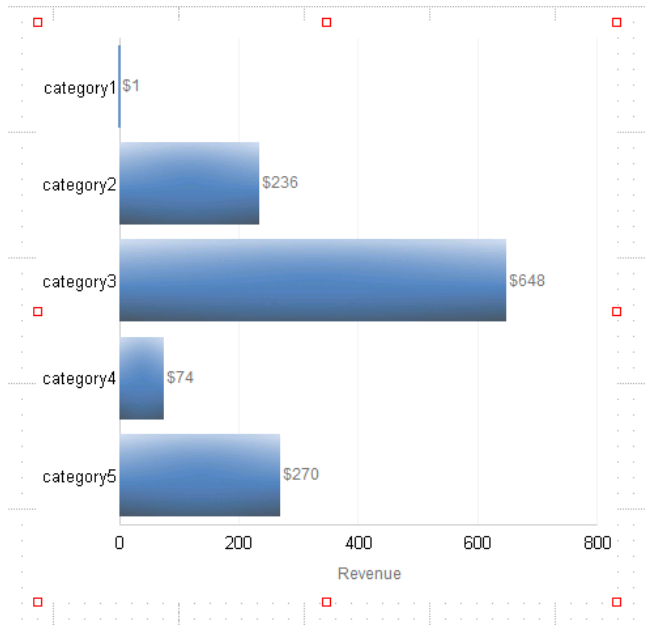
1) What is it for?	To create Enterprise certified (“official”) Dashboards and interactive data visualizations.
2) What is it made of?	Reports, Datasets, Intelligent Cubes
3) Where can it be used?	N/a (It is the largest Public Object)



The screenshot shows a software interface with a document structure on the left and a properties panel on the right. The document structure includes 'Document', 'Body', and 'Category Dataset'. The properties panel is expanded to show 'Appearance', 'Data', 'Export', 'Other', and 'Size' sections. The 'Size' section is highlighted with a red box, showing 'Width' set to '11'.

Section	Property	Value
Appearance	Name	Layout 1
	BackColor	255; 255; 255
	Border	
Data	Apply selections using	True
Export	Default page-by export	Entire document
	Embed fonts in PDF	False
	Embed Images in Excel	False
	Export range	Current Layout
	Graph Format in Excel	Use live Excel charts
	Include bookmarks in PDF	True
	Prompt user on export	True
	Show bookmarks in PDF	True
	Use bitmaps for graphs	False
	Use draft quality in PDF	False
Other	Auto apply selector class	True
	Autowire	
	Default grid autostyle	Light Grid
	Document width mode	Automatic
	Embedded Fonts	
	Always open this document	False
	Overflow	Next page
	Show floating toolbar	True
Show Single Layout Toolbar	False	
Size	Width	11

**Bookstore Dashboard**



Category	Call Center	Metrics	Cost	Profit

1

**TIME SELECTIONS**

YEAR

2

MONTH



**View Filter** ✕

Please select a GridGraph control: Category Dataset

Condition definition:

New    Clear

Category **In list** {Books}

[Click here to start a new qualification](#)

OK
Cancel
Help

### Bookstore Dashboard

**TIME SELECTIONS**

YEAR  
(All)

MONTH  
(All)

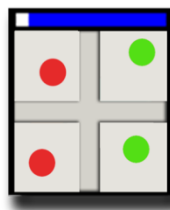
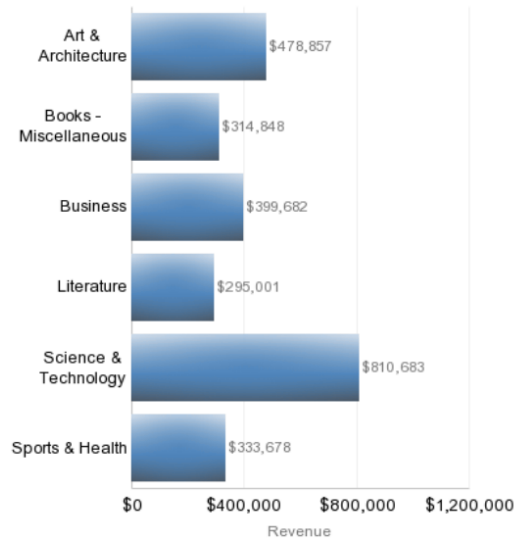
**REGION SELECTIONS**

REGION  
(All)

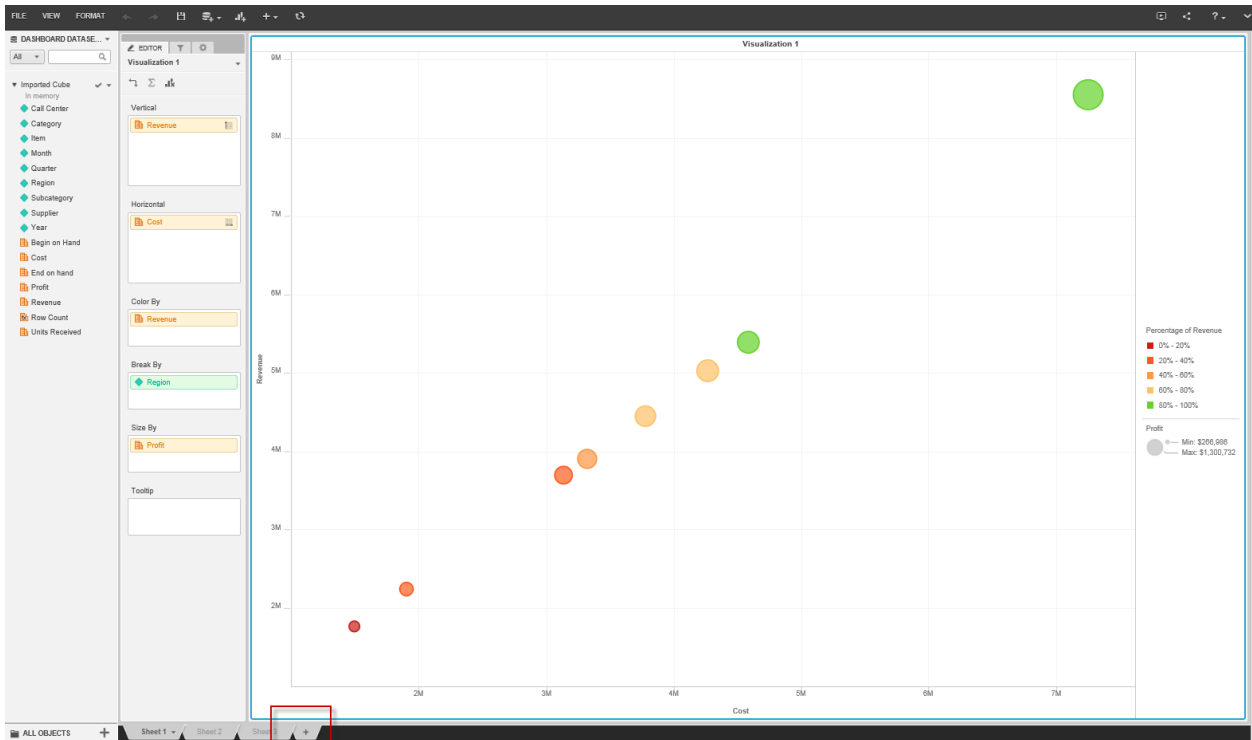
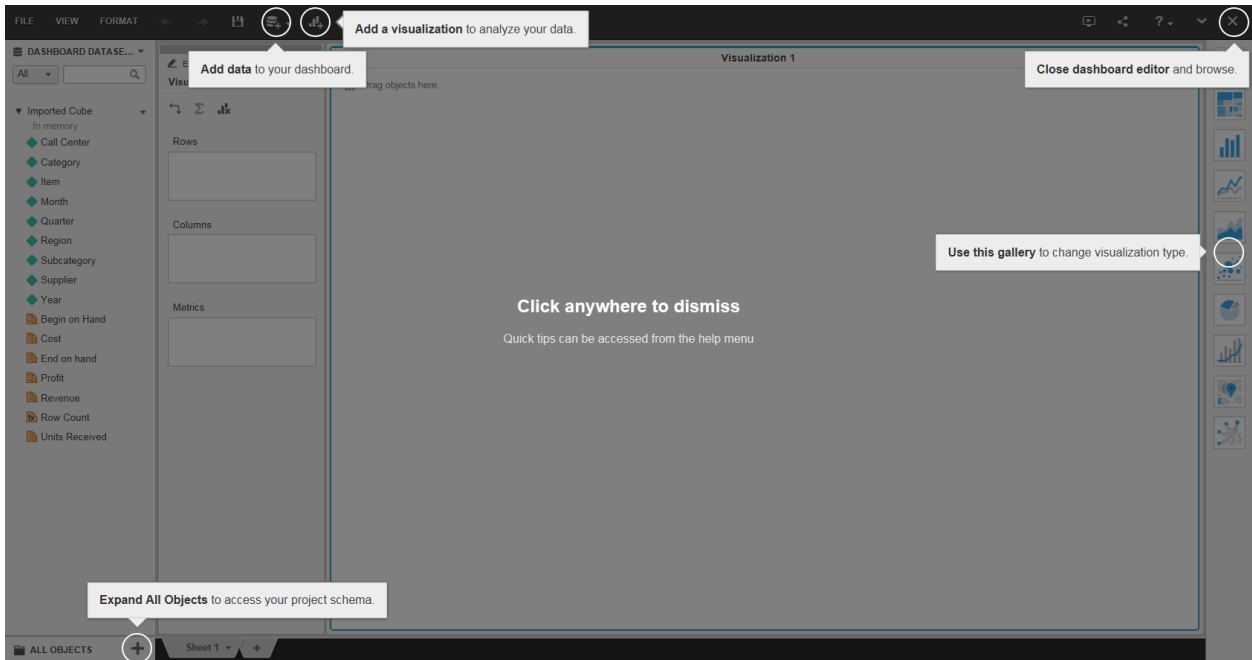
**CALL CENTER**

- (All)
- Atlanta
- Boston
- Charleston
- Fargo
- Memphis
- Miami
- Milwaukee
- New Orleans
- New York
- Salt Lake City
- San Diego
- San Francisco
- Seattle
- Washington, DC
- Web

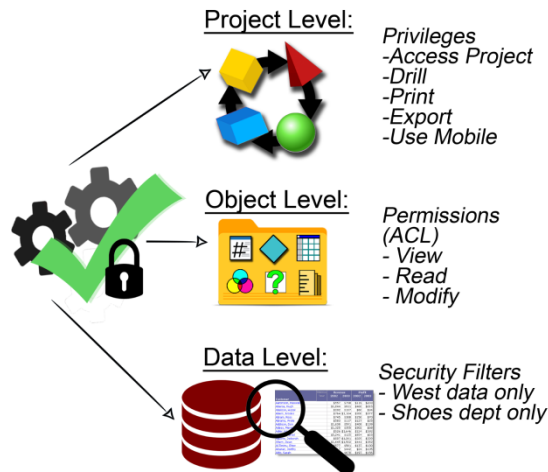
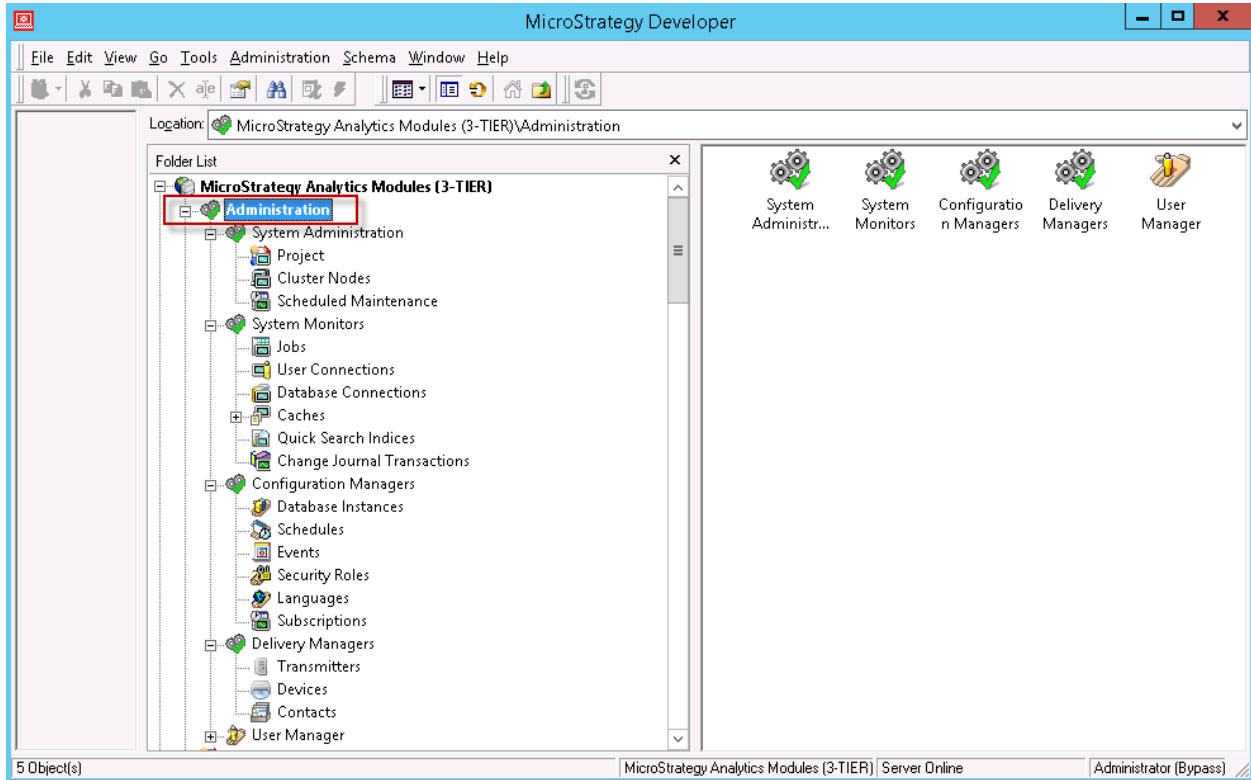
Category	Call Center	Cost	Profit
Books	Atlanta	\$63,230	\$17,285
	Boston	\$88,443	\$24,519
	Charleston	\$79,997	\$22,070
	Fargo	\$50,030	\$13,629
	Memphis	\$124,051	\$33,002
	Miami	\$70,595	\$19,334
	Milwaukee	\$245,475	\$67,702
	New Orleans	\$195,253	\$53,804
	New York	\$418,047	\$115,413
	Salt Lake City	\$43,340	\$11,941
	San Diego	\$176,759	\$48,756
	San Francisco	\$58,425	\$16,310
	Seattle	\$42,720	\$11,720
	Washington, DC	\$184,865	\$50,723
Web	\$229,585	\$63,070	

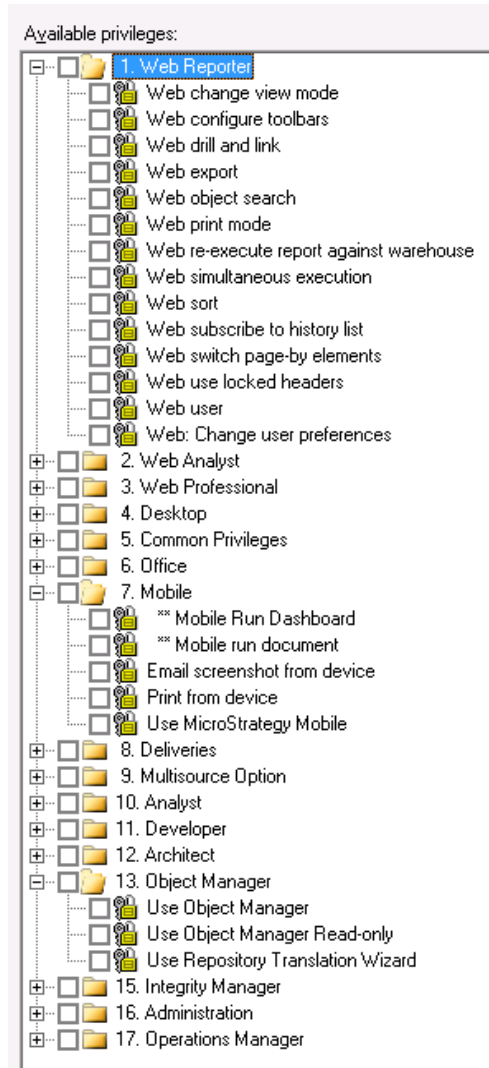


1) What is it for?	To create self-service Dashboards and interactive data visualizations.
2) What is it made of?	Reports, Datasets, Intelligent Cubes
3) Where can it be used?	N/a (It is the largest Public Object)



# Chapter 6: Security - Managing Your Users and Their Access





1) What is it for?	To represent user profiles
2) What is it made of?	Authentication type, privileges, Security Roles, Security Filters
3) Where can it be used?	User Groups

User Editor - Donald Smith

Categories

- User Definition
  - General
  - Project Access
  - Security filter
  - Groups
  - Import Data
  - Authentication
  - International

**User Definition - Project Access**

		Human Resources Anal...	MicroStrategy Essentials	MicroStrategy Tutorial
<b>Security Role Selection</b>		+ Inherited Access	+ Inherited Access	Power Users + Inherited Acc
<input type="checkbox"/>	10. Analyst			
<input type="checkbox"/>	* Create derived metrics	✗	✗	✗
<input type="checkbox"/>	* Define derived elements	✗	✗	✗
<input type="checkbox"/>	* Use report objects window	✗	✗	✗
<input type="checkbox"/>	* Use view filter editor	✗	✗	✗
<input type="checkbox"/>	** Execute document	✗	✗	✗
<input type="checkbox"/>	Alias objects	✗	✗	✗
<input type="checkbox"/>	Change user preference	✗	✗	✗
<input type="checkbox"/>	Configure toolbars	✗	✗	✗
<input type="checkbox"/>	Drill and link	✗	✗	✗
<input type="checkbox"/>	Modify report subtotals	✗	✗	✗
<input type="checkbox"/>	Modify sorting	✗	✗	✗
<input type="checkbox"/>	Pivot report	✗	✗	✗
<input type="checkbox"/>	Re-execute report against warehouse	✗	✗	✗
<input type="checkbox"/>	Save custom AutoStyle	✗	✗	✗
<input type="checkbox"/>	Send to email	✗	✗	✗
<input type="checkbox"/>	Set attribute display	✗	✗	✗
<input type="checkbox"/>	Use data explorer	✗	✗	✗
<input checked="" type="checkbox"/>	Use Developer	✓	✓	✓
<input type="checkbox"/>	Use grid options	✗	✗	✗
<input type="checkbox"/>	Use history list	✗	✗	✗
<input type="checkbox"/>	Use report data options	✗	✗	✗
<input type="checkbox"/>	Use report editor	✗	✗	✗
<input type="checkbox"/>	Use search editor	✗	✗	✗
<input type="checkbox"/>	Use thresholds editor	✗	✗	✗
<input type="checkbox"/>	View SQL	✗	✗	✗

Privileges Obtained From:

- ✓ Security Role
- ✓ User/Group
- ✗ No project access granted
- ✗ No access granted

\* OLAP Services  
 \*\* Report Services  
 \*\*\* Distribution Services  
 \*\*\*\* Transactions

N/A - Not applicable per project

OK Cancel Help



1) What is it for?

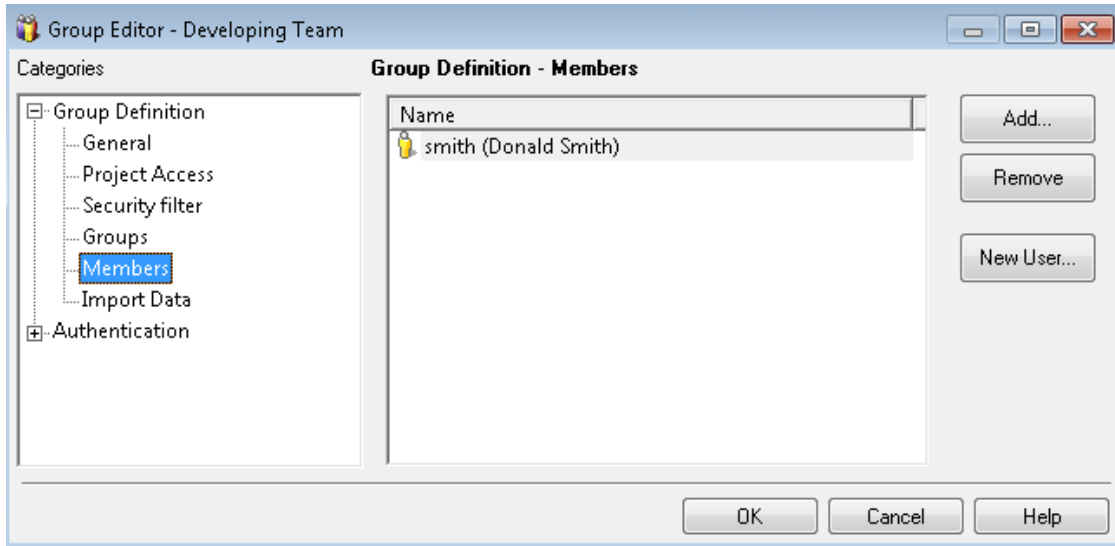
To create sets of users with similar profiles

2) What is it made of?

Authentication type, privileges, Security Roles, Security Filters, Users, User Groups (Subgroups)

3) Where can it be used?

User Groups



1) What is it for?	To create sets of privileges
2) What is it made of?	Privileges
3) Where can it be used?	Users and User Groups

User Editor - Donald Smith

Categories: User Definition, General, Project Access, Security filter, Groups, Import Data, Authentication, International

### User Definition - Project Access

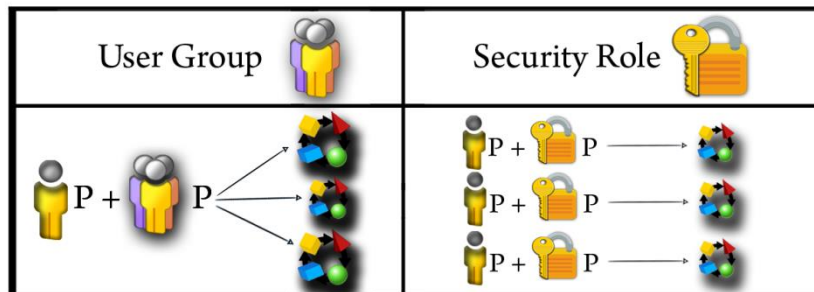
Security Role Selection	Human Resources Anal...	MicroStrategy Essentials	MicroStrategy Tutorial
Privileges	User Level	Basic access	Admin Access
<input checked="" type="checkbox"/> 1. Web Reporter			
<input type="checkbox"/> 2. Web Analyst			
<input type="checkbox"/> 3. Web Professional			
<input type="checkbox"/> 4. Desktop			
<input type="checkbox"/> 5. Common Privileges			
* Drill within Intelligent cube	<input type="checkbox"/>	✗	✗
* Use dynamic sourcing	<input type="checkbox"/>	✗	✗
* Use OLAP services	<input type="checkbox"/>	✗	✗
** Web Run Dashboard	<input type="checkbox"/>	✗	✗
** Web run document	<input type="checkbox"/>	✗	✗
**** Execute transaction	<input type="checkbox"/>	✗	✗
Add notes	<input type="checkbox"/>	✗	✗
Create application objects	<input type="checkbox"/>	✗	✔
Create new folder	<input type="checkbox"/>	✗	✗
Create schema objects	<input type="checkbox"/>	✗	✗
Create shortcut to objects	<input type="checkbox"/>	✗	✗
Edit notes	<input type="checkbox"/>	✗	✗
Export to Excel	<input type="checkbox"/>	✗	✗
Export to flash	<input type="checkbox"/>	✗	✗
Export to HTML	<input type="checkbox"/>	✗	✗
Export to MicroStrategy File	<input type="checkbox"/>	✗	✗
Export to PDF	<input type="checkbox"/>	✗	✗
Export to text	<input type="checkbox"/>	✗	✗
Save personal prompt answers	<input type="checkbox"/>	✗	✗
Schedule request	<input type="checkbox"/>	✗	✔
Use server cache - inherited from grou...	<input type="checkbox"/>	✔	✔
Use translation editor	<input type="checkbox"/>	✗	✗
Use Translation Editor Bypass	<input type="checkbox"/>	✗	✗
View history list	<input type="checkbox"/>	✗	✗
View notes	<input type="checkbox"/>	✗	✗
<input type="checkbox"/> 6. Office			
<input type="checkbox"/> 7. Mobile			

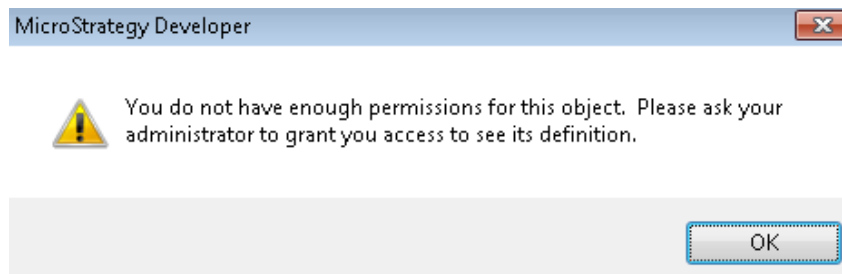
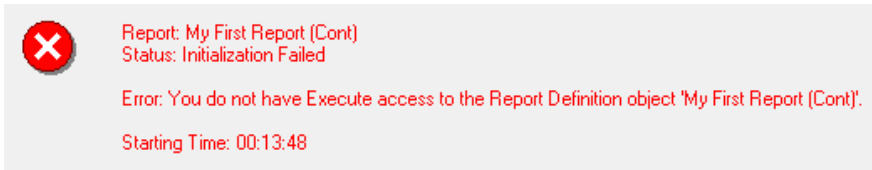
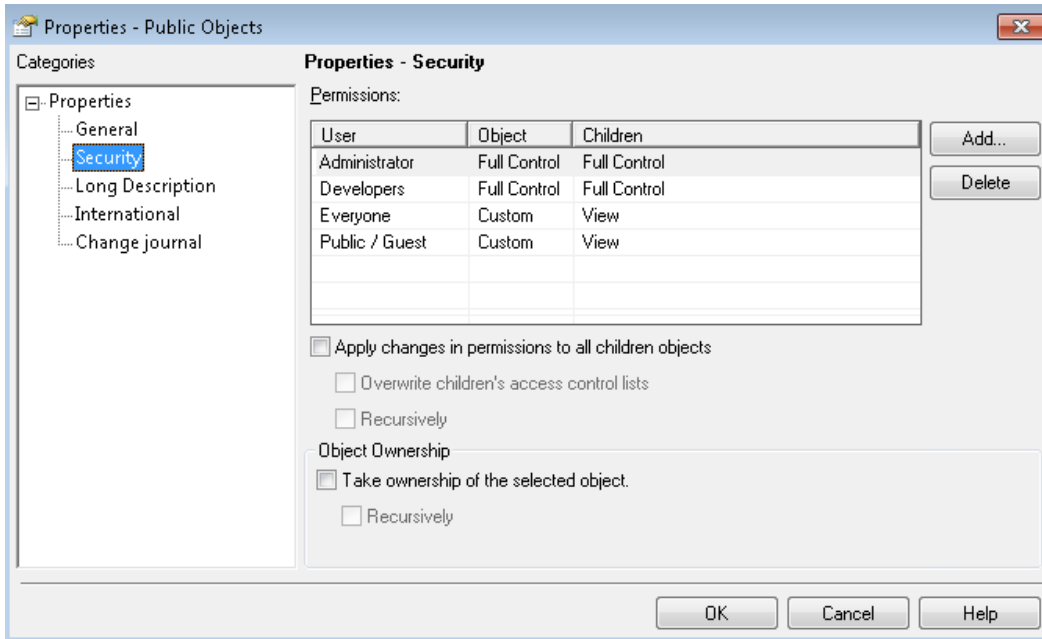
Privileges Obtained From:

- ✔ Security Role
- ✔ User/Group
- ✗ No project access granted
- ✗ No access granted
- N/A - Not applicable per project

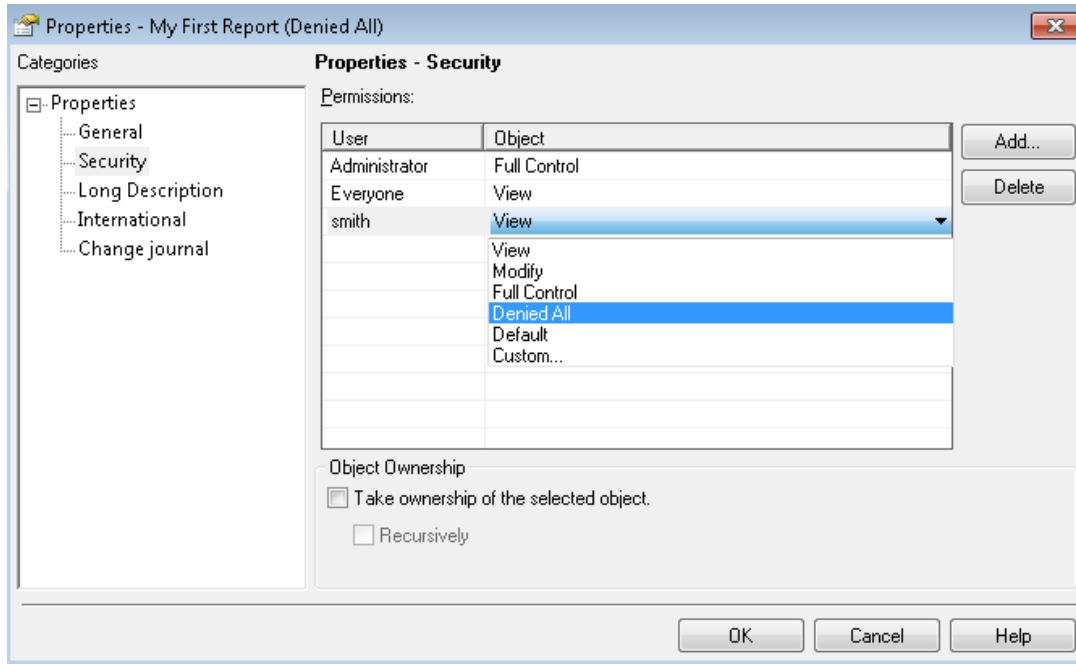
\* OLAP Services  
 \*\* Report Services  
 \*\*\* Distribution Services  
 \*\*\*\* Transactions

OK Cancel Help



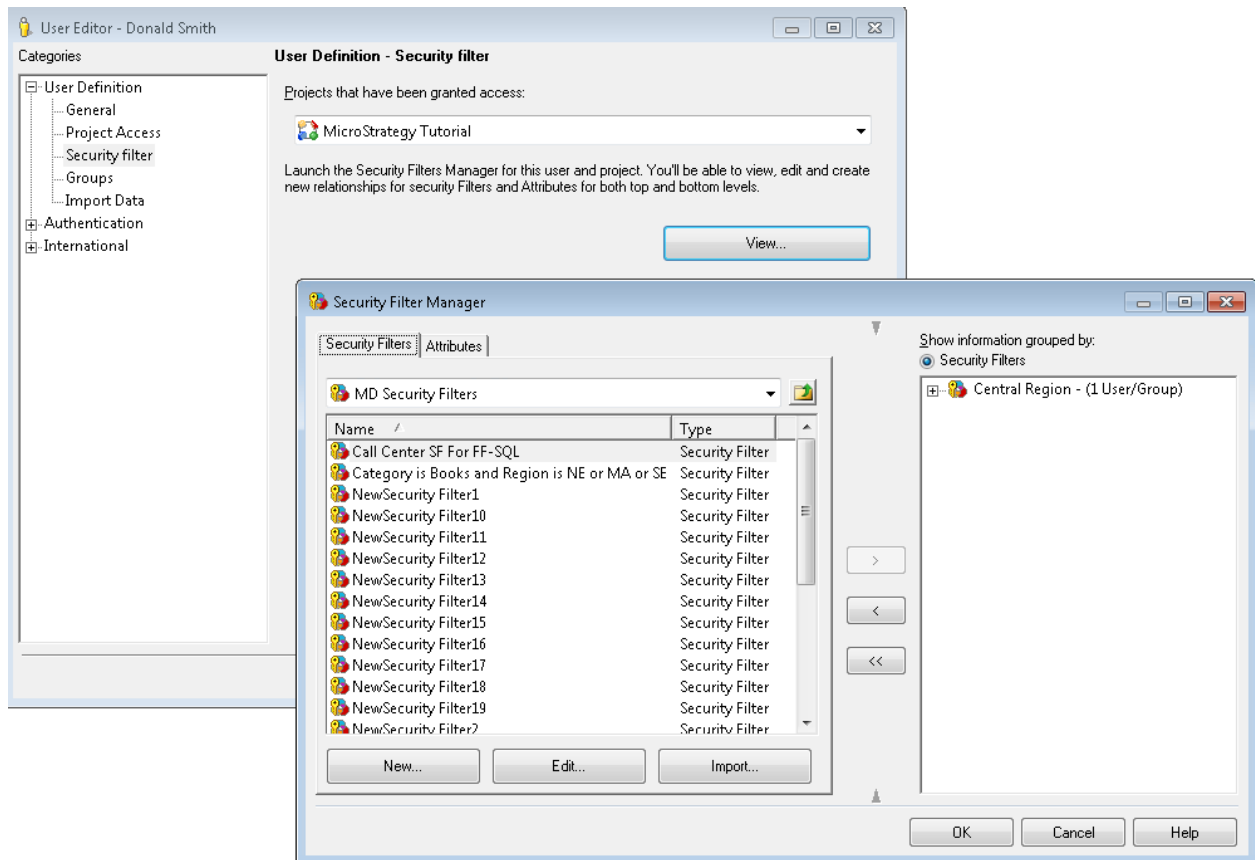






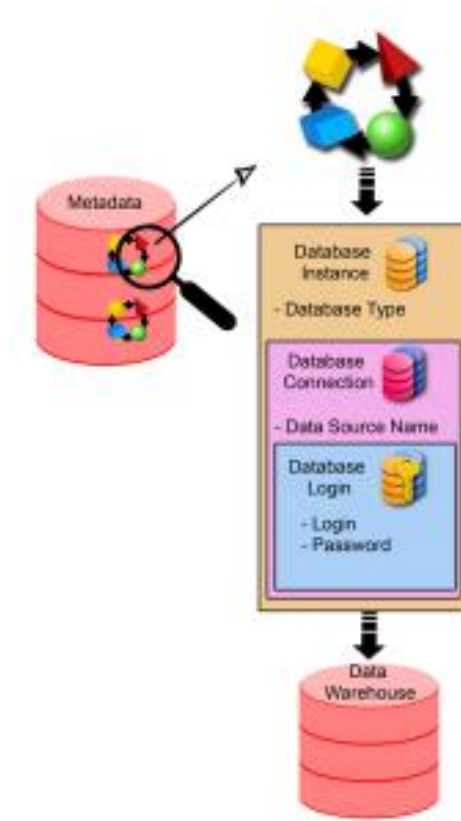
1) What is it for?	To limit the data access based on a user profile
2) What is it made of?	Attributes and Filters
3) Where can it be used?	Users and User Groups

		Metrics	Revenue	Cost
Region	Call Center			
Central	Milwaukee		\$4,182,139	\$3,544,594
	Fargo		\$847,227	\$720,449
South	New Orleans		\$3,305,039	\$2,800,048
	Memphis		\$2,084,241	\$1,782,276



		Metrics	Revenue	Cost
Region	Call Center			
Central	Milwaukee		\$4,182,139	\$3,544,594
	Fargo		\$847,227	\$720,449

## Chapter 7: Administration - Maintaining and Monitoring Your Project



1) What is it for?	It is the logical representation of a Data warehouse or Data mart
2) What is it made of?	Database type and Database Connection
3) Where can it be used?	Projects




1) What is it for?	To establish connectivity with a database
2) What is it made of?	DSN (Data Source Name ODBC) and Database Login
3) Where can it be used?	Database Instance



1) What is it for?	To provide database user authentication
2) What is it made of?	Database user login and password
3) Where can it be used?	Database Connection

## Save As


### File Types


 Save Database As


 Save Object As


### Save Database As

#### Database File Types


 Access Database (\*.accdb)  
Default database format.


 Access 2002-2003 Database (\*.mdb)  
Save a copy that will be compatible with Access 2002-2003.


 Access 2000 Database (\*.mdb)  
Save a copy that will be compatible with Access 2000.


 Template (\*.accdt)  
Save the current database as a database template (ACCDT).

#### Advanced

 Package and Sign  
Package the database and apply a digital signature.

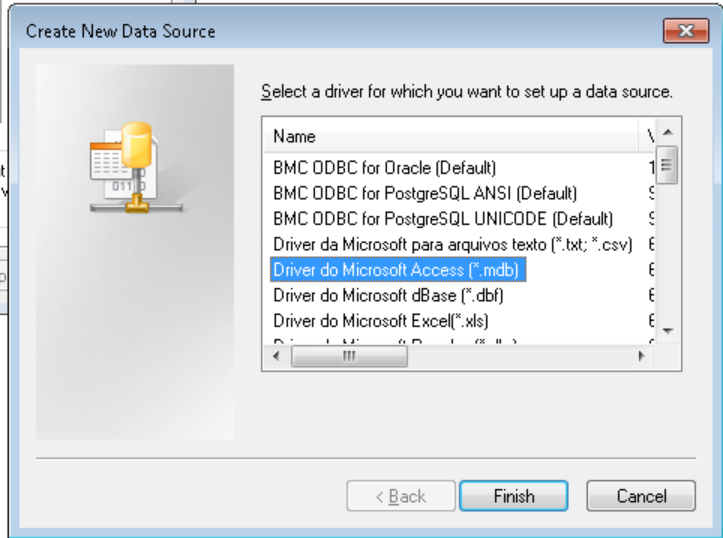
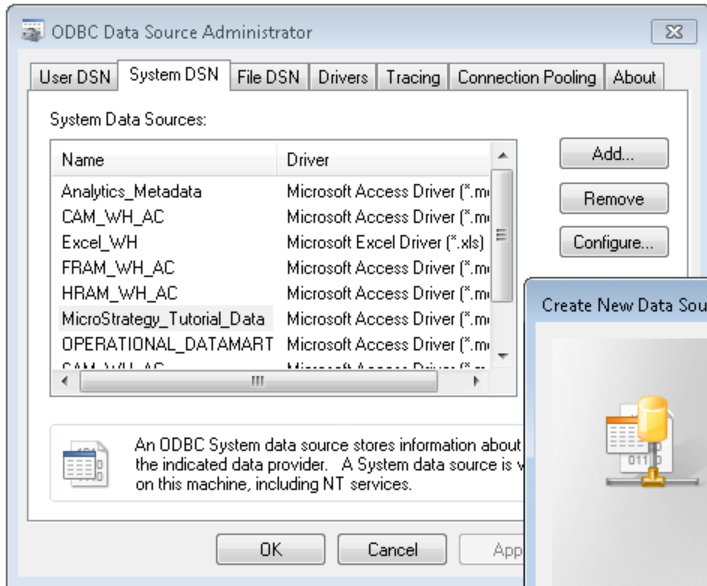
 Make ACCDE  
File will be compiled into an executable only file.

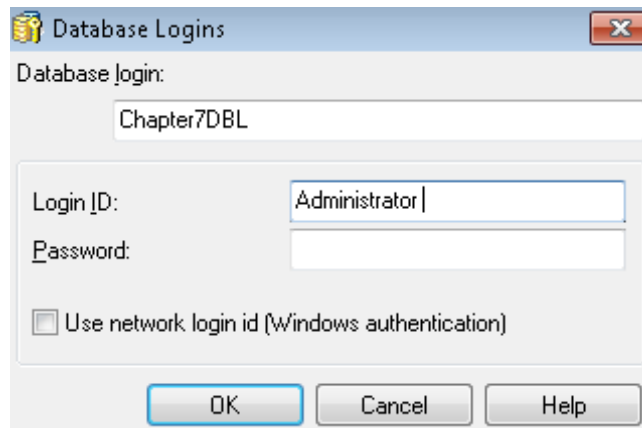
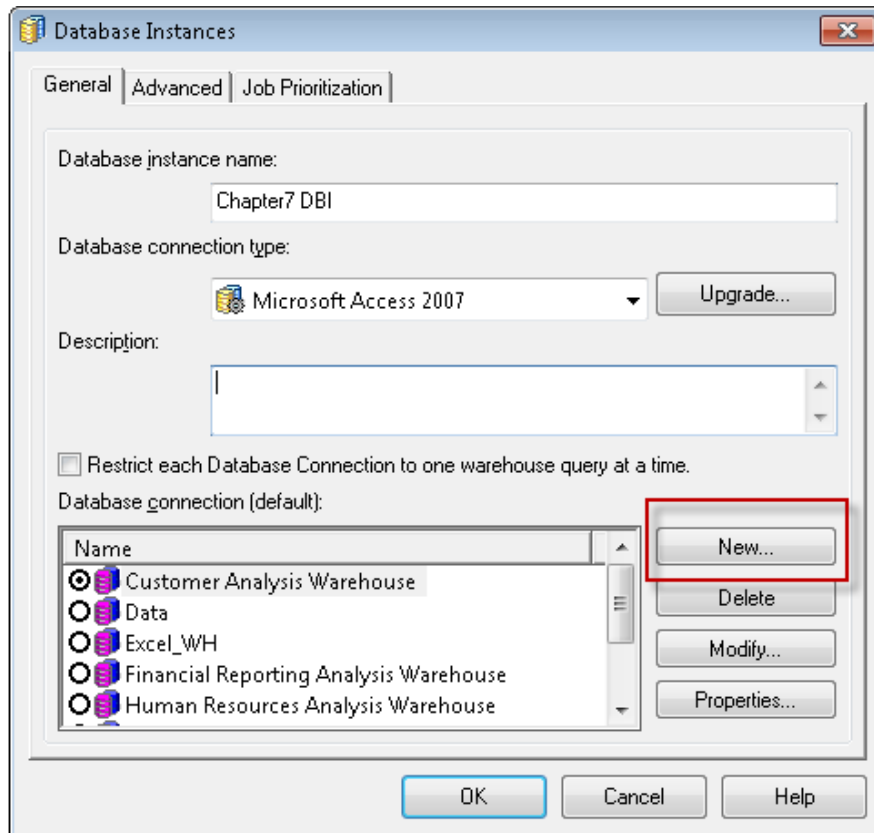
 Back Up Database  
Back up important databases regularly to prevent data loss.

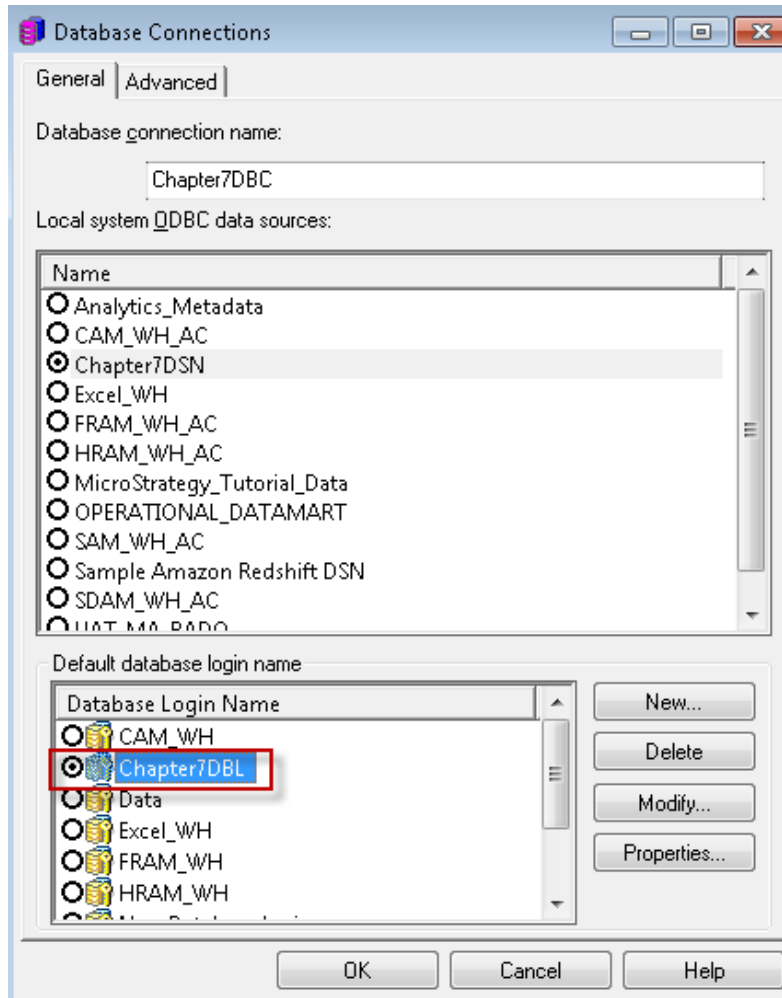
 SharePoint  
Share the database by saving it to a document management server.

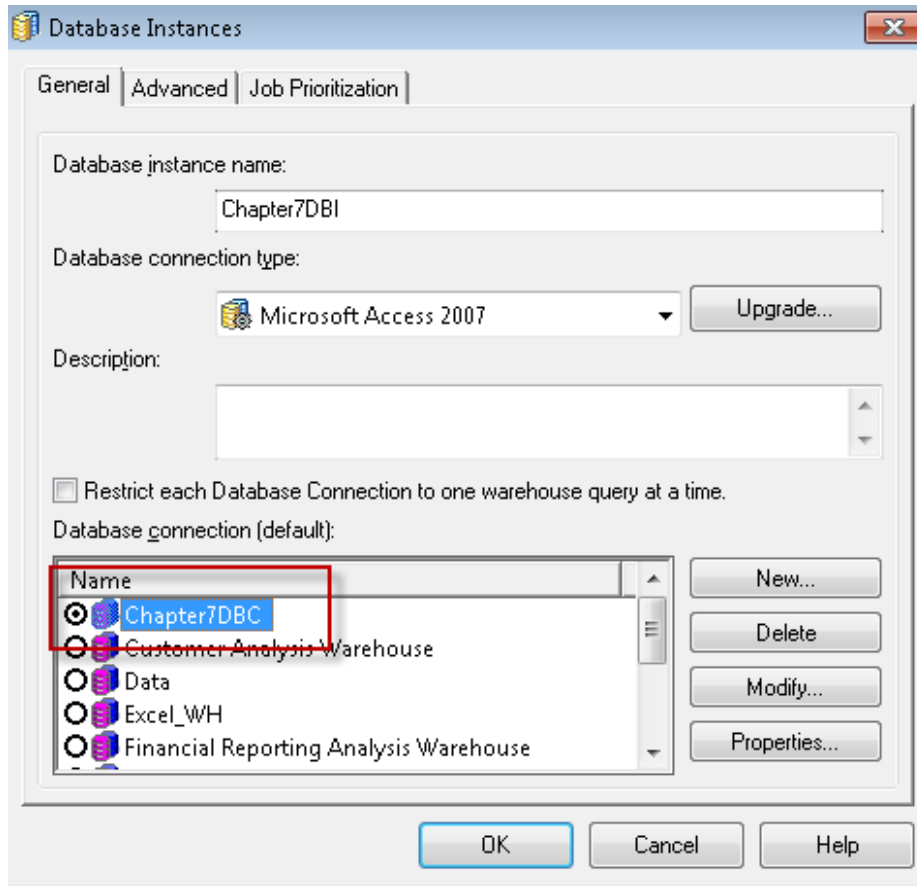


Save As









1) What is it for?	To automate administration tasks such as reports and Intelligent Cubes execution
2) What is it made of?	Time-based, Events
3) Where can it be used?	Subscriptions



1) What is it for?	To trigger an event-based Schedule
2) What is it made of?	Event name
3) Where can it be used?	Schedules






1) What is it for?	To associate a Schedule with a Report/ Intelligent Cube refresh or administration task
2) What is it made of?	Schedules
3) Where can it be used?	N/a

### Schedule Wizard - Type

Select the schedule type



Please choose the type of schedule you would like to create

Time-triggered

**Event-triggered**

Time-triggered schedules are activated on specific dates (for example, every Sunday, or the first day of the month).

Event-triggered schedules are activated when specific events occur (for example, when the data warehouse is updated or the cache expires).

Help Cancel < Back Next > Finish

### Report Caching Options

These options provide the ability to determine what the caching behavior will be for this report:


Enabled: This report should be cached

Disabled: This report should not be cached

Allow mobile devices to cache data temporarily to optimize performance

Use default project-level behavior

OK Cancel Help

Report Na... ▾	Project Name	Status	Last Update	Cache Si...	Expiration	Type	Cache ID
 My First Report	MicroStrategy Tutorial	R, L, U, F	9/13/2018 11:00:56 PM	26	9/14/2018 11:00:56 PM	Matching	8BA3846C11E8B7E3F3B0080EFA53FC3

Intelligent Cube Report Name	Project Name	Status	Last Update Time ▾	Hit Count	Size (KB)	Owner
 Simple Cube	MicroStrategy Tutorial	A, L, F	9/13/2018 11:12:39 PM	0	273	Administrator

**Schedule Wizard - Recurrence Pattern**

Provide information for the new schedule recurrence settings

Determine the recurrence pattern and the frequency for Daily 6am

Recurrence pattern

Daily  
 Weekly  
 Monthly  
 Yearly


Every  day(s)  
 Every weekday

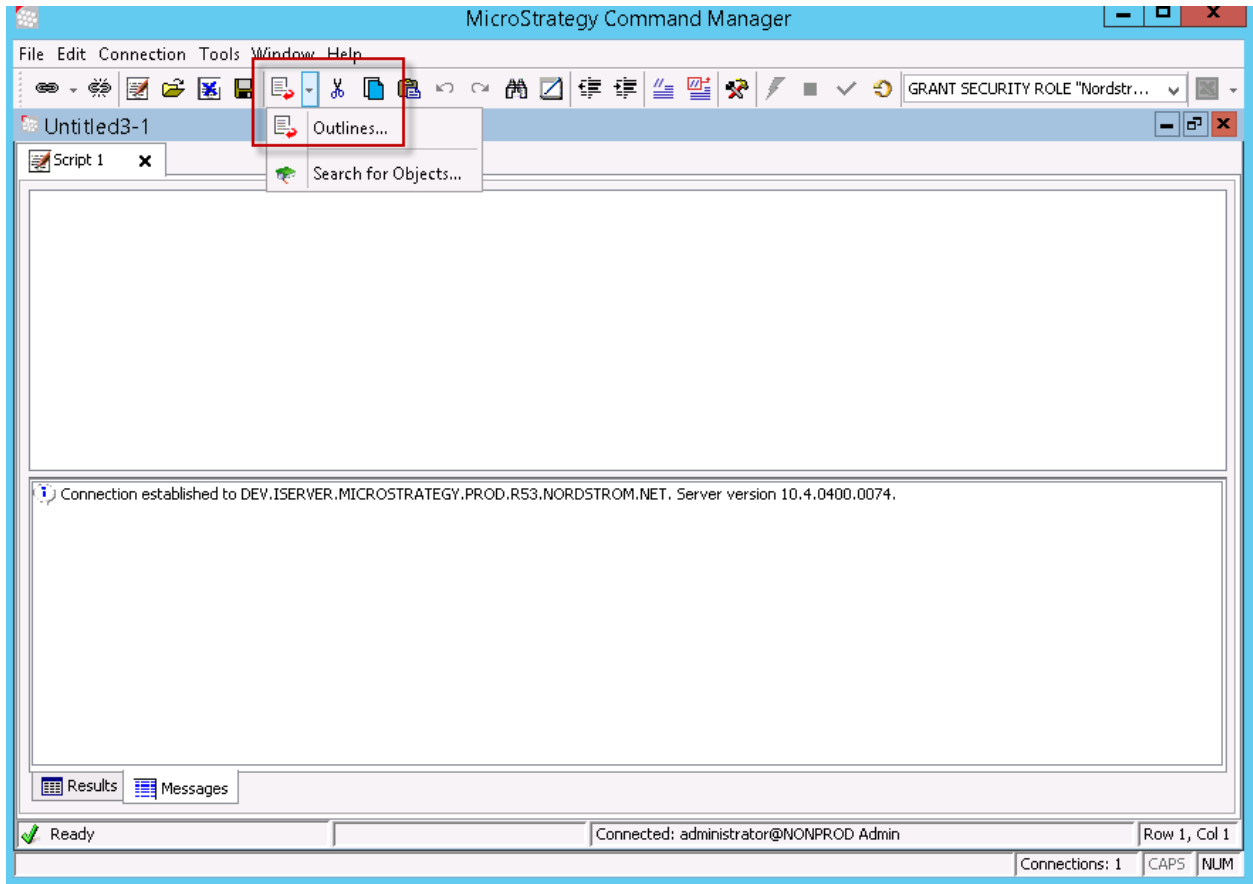
Time to trigger

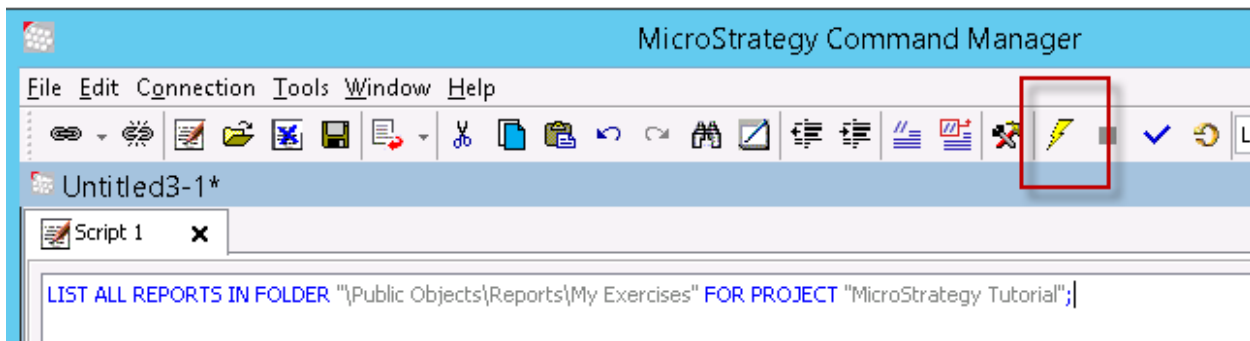
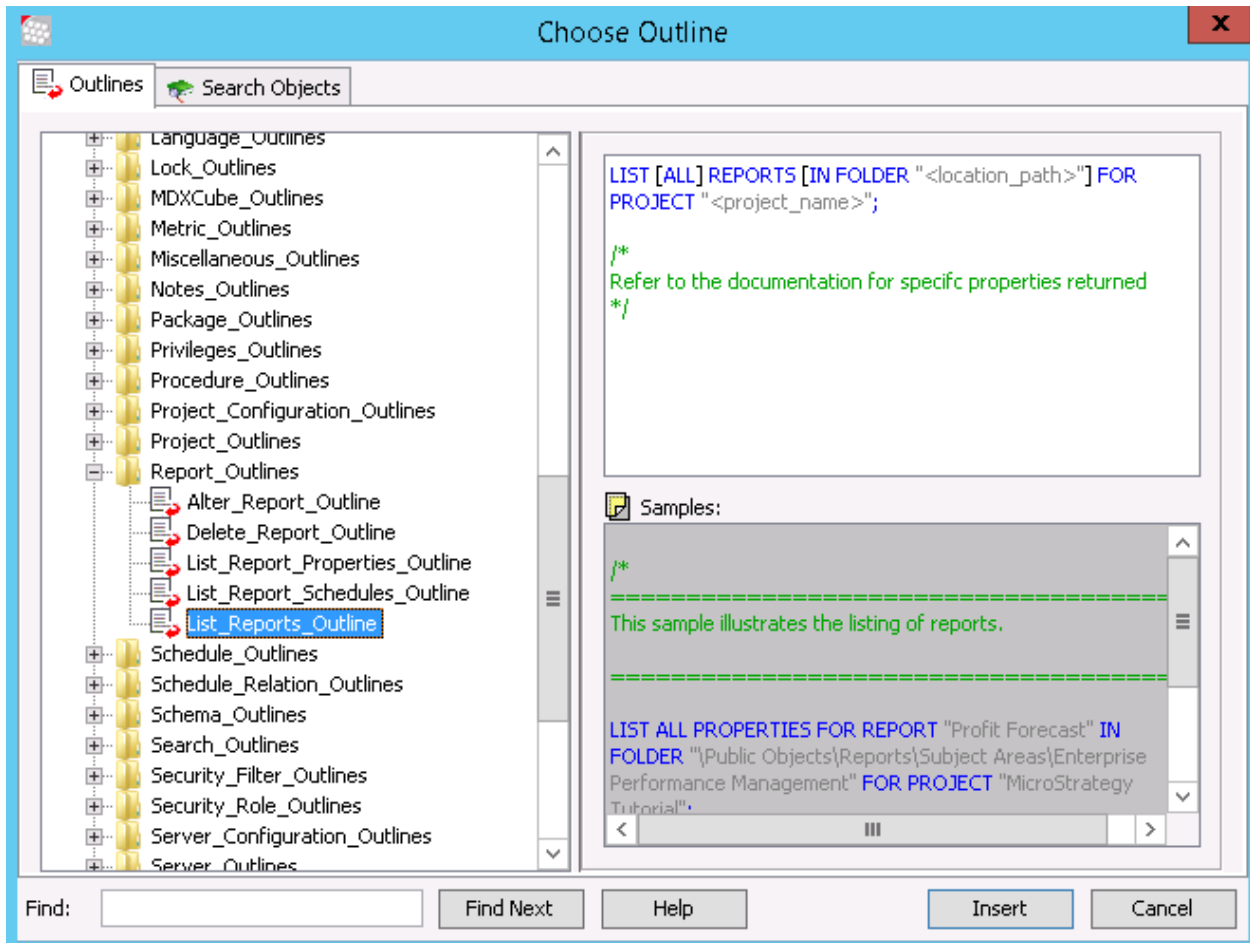
Execute at   
 Execute all day every

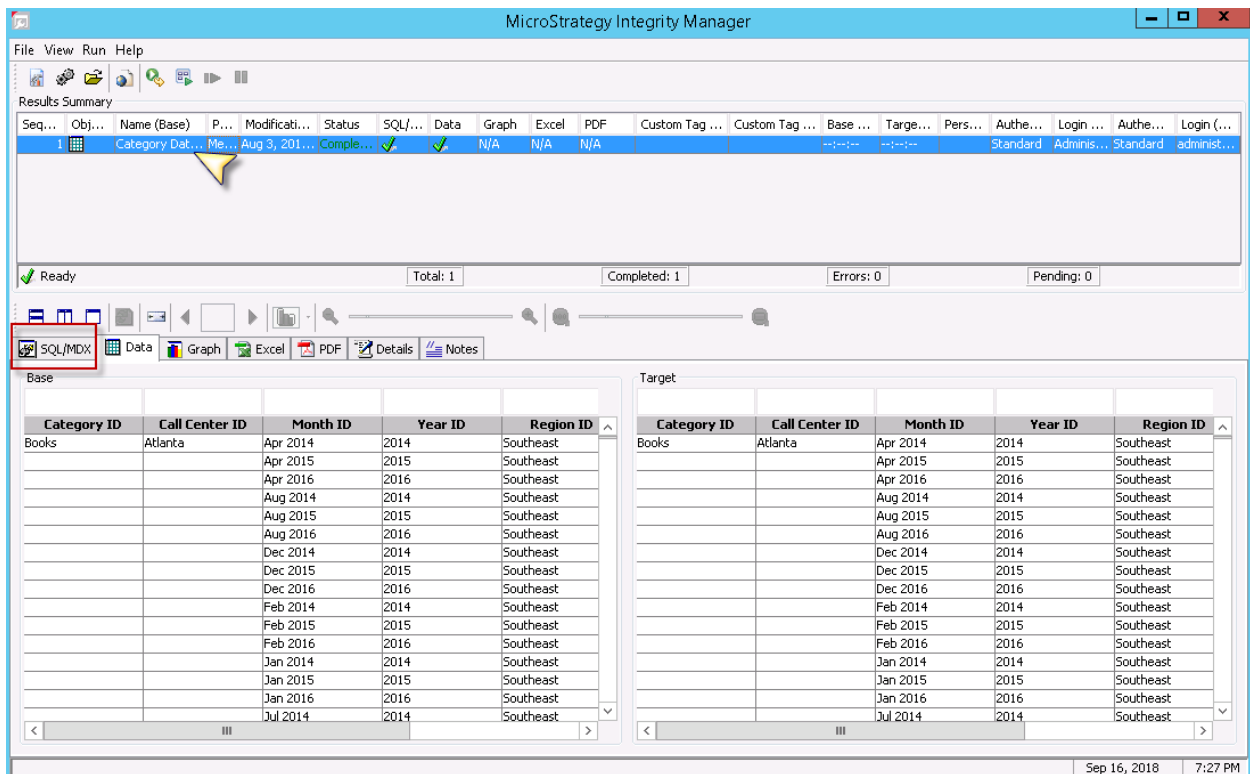
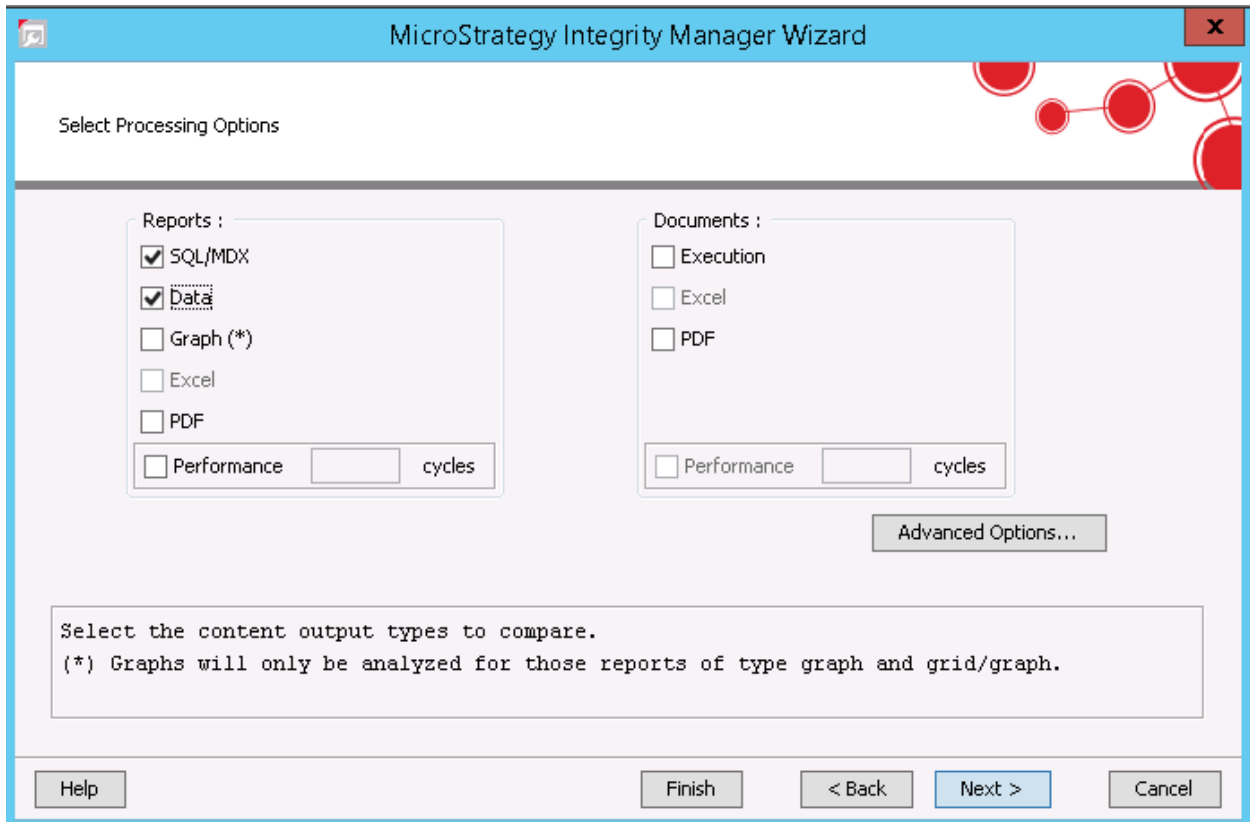
Start Time:  Executing every:  hours  
End Time:   minutes

**Note: All dates and time refer to MicroStrategy Intelligence Server local time. (Thursday, September 13, 2018; 11:41:50 PM)**

 **My First Report**  
Owner: Administrator  
Modified: 9/13/18 10:49:33 PM  
Edit [Subscriptions](#) [Send Now](#) [Export](#) [PDF](#)







MicroStrategy Integrity Manager

File View Run Help

Results Summary

Seq...	Object ...	Name (Base) /	P...	Modificat...	Status	SQL...	Data	Graph	Excel	PDF	Custom T...	Custom Ta...	Base ...	Targ...	Pers...	Auth...	Logi...	Auth...	Logi...
1		Category Dataset	Me...	Aug 3, 20...	Comple...	✗	✗	N/A	N/A	N/A			--:--	--:--		Stand...	Admin...	Stand...	admini...

Ready Total: 1 Completed: 1 Errors: 0 Pending: 0

1 / 14827

SQL/MDX Data Graph Excel PDF Details Notes

Base

Category ID	Call Center ID	Month ID	Year ID	Region ID
Books	Atlanta	Apr 2014	2014	Southeast
		Apr 2015	2015	Southeast
		Apr 2016	2016	Southeast
		Aug 2014	2014	Southeast
		Aug 2015	2015	Southeast
		Aug 2016	2016	Southeast
		Dec 2014	2014	Southeast
		Dec 2015	2015	Southeast
		Dec 2016	2016	Southeast
		Feb 2014	2014	Southeast
		Feb 2015	2015	Southeast
		Feb 2016	2016	Southeast
		Jan 2014	2014	Southeast
		Jan 2015	2015	Southeast
		Jan 2016	2016	Southeast
		Jul 2014	2014	Southeast

Target

Category ID	Call Center ID	Year ID	Region ID	Cost
Books	Atlanta	2014	Southeast	\$16,826
		2015	Southeast	\$21,458
		2016	Southeast	\$24,946
	Boston	2014	Northeast	\$22,617
		2015	Northeast	\$29,973
		2016	Northeast	\$35,854
	Charleston	2014	Mid-Atlantic	\$21,383
		2015	Mid-Atlantic	\$25,205
		2016	Mid-Atlantic	\$33,409
	Fargo	2014	Central	\$13,742
		2015	Central	\$17,000
		2016	Central	\$19,288
	Memphis	2014	South	\$33,947
		2015	South	\$40,013
		2016	South	\$50,091
	Miami	2014	Southeast	\$19,617

Sep 16, 2018 7:39 PM