METADATA BROWSER v3.01

What is this?



Metadata Browser

Metadata Browser is an application designed in order to experiment and learn. Its features include:

- Navigation through a project
- Search by ID
- Retrieval of components, dependents and recurring dependents
- Documentation tool
- Object type count tool
- Change Journal Tools
- Deployment List
- Object Tracker
- God mode (for access to hidden system files)

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Uuu, what does this button do?



Use this button if you wish to connect to a different project using Standard, LDAP or NT authentication.

= O Login	X
Server:	MicroStrategy BI Developer Kit (Direct)
Login id:	administrator
Password:	
	Standard C LDAP C NT Connect
Projects:	
	Select Project
	🗖 God Mode

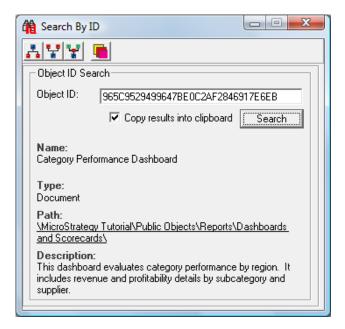
Important note: If you are an admin you may chose to log in using the "God Mode" function. This will enable Metadata Browser to bypass all access rights filters applied to a normal user, and thus gain explore access to the system folders and other hidden objects. If you are not an admin and you chose to use this function, chances are that the application will crash.



This function offers the opportunity of searching an object based on its ID.

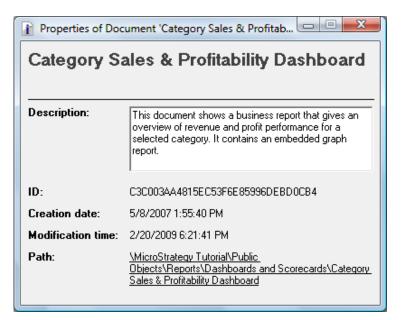
After an object is found, its name is copied to clipboard. You can disable this behavior by deselecting the "Copy results to clipboard" checkbox, which is checked by default.

Notice that once an object is found you can find its components and dependents by pressing the toolbar buttons.





This button displays the properties of the selected object.

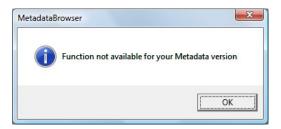


Change Journal

This function only works with MicroStrategy 9.0 and it displays the Change Journal entries made for the selected object.

Jsername	TimeStamp	Machine	Change Type	Transaction Type	Comments
dministrator	2/7/2010 11:03:21 AM	SORIN-PC	Create	Save	
dministrator	2/7/2010 11:03:33 AM	SORIN-PC	Change	Save	Object renamed from 'New Filter' to '1'
dministrator	2/7/2010 11:03:57 AM	SORIN-PC	Change	Save	
dministrator	2/7/2010 11:04:07 AM	SORIN-PC	Change	Save	Object renamed from '1' to 'Filtreeer'
dministrator	2/7/2010 11:09:40 AM	SORIN-PC	Change	Save	
dministrator	2/7/2010 11:09:45 AM	SORIN-PC	Change	Save	
			_		

If this function is called in a MicroStrategy environment previous to 9.0 the following error message will be returned:



Components, Dependents, Recurring Dependents

Pressing one of these buttons will retrieve the "relatives" of the selected object.

You can then see the properties of any retrieved object, get its "relatives" and export the current list to Excel.

1 444 3			
Name	Туре	Description	Path
🖥 Balanced Scorecard	Document		\MicroStrategy Tutorial\Public Objects\R
Balanced Scorecard	Document		\MicroStrategy Tutorial\Public Objects\R
🗐 Balanced Scorecard	Document		\MicroStrategy Tutorial\Public Objects\R
🗐 Balanced Scorecard	Document		\MicroStrategy Tutorial\Public Objects\R
Balanced Scorecard Dataset	Grid		\MicroStrategy Tutorial\Public Objects\R
罰 Balanced Scorecard Strategy Map	Document		\MicroStrategy Tutorial\Public Objects\R
Balanced Scorecard Strategy Map	Document	This document shows a balanced scorec	\MicroStrategy Tutorial\Public Objects\R
👔 Bar Chart - Revenue, Cost and Profi	Graph		\MicroStrategy Tutorial\Public Objects\R
BSC Inventory Summary	Grid		\MicroStrategy Tutorial\Public Objects\R
Call Center Analysis	Grid	This template allows users to build new Ca	\MicroStrategy Tutorial\Object Templates
\Xi Call Center Analysis	Template	This template allows users to build new Ca	\MicroStrategy Tutorial\Public Objects\Te
\Xi Call Center Analysis	Template	This template allows users to build new Ca	\MicroStrategy Tutorial\Public Objects\R
Call Center Analysis for TOP 5 Prod	Grid		\MicroStrategy Tutorial\Public Objects\R
Category	Grid	This report is used for MicroStrategy SDK	\MicroStrategy Tutorial\Public Objects\R
Category Performance	Grid		\MicroStrategy Tutorial\Public Objects\R
🖥 Category Performance Dashboard	Document		\MicroStrategy Tutorial\Public Objects\R
🗄 Category Performance Dashboard	Document	This dashboard evaluates category perfor	\MicroStrategy Tutorial\Public Objects\R
🐔 Category Performance Dashboard	Document		\MicroStrategy Tutorial\Profiles\Business
Category Sales and Profit Performa	Document	This document shows a classic productio	\MicroStrategy Tutorial\Public Objects\R
📳 Category Sales and Profit Performa	Document		\MicroStrategy Tutorial\Public Objects\R
🗐 Category Sales and Profit Performa	Document		\MicroStrategy Tutorial\Profiles\Demo Us
CategoryQuarter	Grid	This report is used for MicroStrategy SDK	\MicroStrategy Tutorial\Public Objects\R
CategoryRegion	Grid	This report is used for MicroStrategy SDK	\MicroStrategy Tutorial\Public Objects\R
CategoryRegionRevenue	Grid	This report is used for MicroStrategy SDK	\MicroStrategy Tutorial\Public Objects\R
CategoruBegionYearQuarter 68 items found.	Grid	This report is used for MicroStrateou SDK	\MicroStrategu Tutorial\Public Objects\B



Documentation

This function can be used for documentation purposes. It retrieves all the objects stored in a folder and displays useful information about them (i.e. format, alias, formula, dimensionality, transformation and condition for metrics; lookup table, forms, child & parent relationships for attributes, etc.).

If a shortcut is found in the folder, then the list will display information about its target.

Don't be scared by its ugly appearance – once exported to Excel you can do lots of stuff you weren't able to do before.

	1	1-	(-	- · ·
Name	ID	Туре	Property name	Property value
kge Range	5603951E4FE1BC04A44E44B85BBB8ED2	Attribute	Description	
kge Range	5603951E4FE1BC04A44E44B85BBB8ED2	Attribute	Path	\MicroStrategy Tutorial\Schema Objects\Attributes\Customers\Age Range
\ge Range	5603951E4FE1BC04A44E44B85BBB8ED2	Attribute	Lookup Table	LU_AGERANGE
\ge Range	5603951E4FE1BC04A44E44B85BBB8ED2	Attribute	Attribute Forms	ID: AGERANGE_ID DESC: AGERANGE_DESC
\ge Range	5603951E4FE1BC04A44E44B85BBB8ED2	Attribute	Attribute Children	Customer: One to Many (LU_CUSTOMER)
\ge Range	5603951E4FE1BC04A44E44B85BBB8ED2	Attribute	Attribute Parents	
Customer	8D679D3C11D3E4981000E787EC6DE8A4	Attribute	Description	
Customer	8D679D3C11D3E4981000E787EC6DE8A4	Attribute	Path	\MicroStrategy Tutorial\Schema Objects\Attributes\Customers\Customer
Customer	8D679D3C11D3E4981000E787EC6DE8A4	Attribute	Lookup Table	LU_CUSTOMER
Customer	8D679D3C11D3E4981000E787EC6DE8A4	Attribute	Attribute Forms	ID: CUSTOMER_ID DESC: (Last Name: CUST_LAST_NAME), (First Name: CUST_
Customer	8D679D3C11D3E4981000E787EC6DE8A4	Attribute	Attribute Children	Order: One to Many (ORDER_FACT)
Customer	8D679D3C11D3E4981000E787EC6DE8A4	Attribute	Attribute Parents	Customer Age: Many to One (LU_CUSTOMER) Housing Type: Many to One (LU_C
Customer Address	56225F324F17B61AEBD88CA256946C96	Attribute	Description	
Customer Address	56225F324F17B61AEBD88CA256946C96	Attribute	Path	\MicroStrategy Tutorial\Schema Objects\Attributes\Customers\Customer Address
Customer Address	56225F324F17B61AEBD88CA256946C96	Attribute	Lookup Table	LU_CUSTOMER
Customer Address	56225F324F17B61AEBD88CA256946C96	Attribute	Attribute Forms	ID: ADDRESS
Customer Address	56225F324F17B61AEBD88CA256946C96	Attribute	Attribute Children	Customer: One to Many (LU_CUSTOMER)
Customer Address	56225F324F17B61AEBD88CA256946C96	Attribute	Attribute Parents	·· =
Customer Age	6E069E4C11D3E4E41000E887EC6DE8A4	Attribute	Description	
Customer Age	6E069E4C11D3E4E41000E887EC6DE8A4	Attribute	Path	\MicroStrategy Tutorial\Schema Objects\Attributes\Customers\Customer Age
Customer Age	6E069E4C11D3E4E41000E887EC6DE8A4	Attribute	Lookup Table	LU CUSTOMER
Customer Age	6E069E4C11D3E4E41000E887EC6DE8A4	Attribute	Attribute Forms	ID: CUST AGE
Customer Age	6E069E4C11D3E4E41000E887EC6DE8A4	Attribute	Attribute Children	Customer Birth Date: One to Many (LU_CUSTOMER) Customer: One to Many (LU
Customer Age	6E069E4C11D3E4E41000E887EC6DE8A4	Attribute	Attribute Parents	calcular prane and on ranging to _oconomic n/1 calculation on on any (co_
Customer Birth Date	8D679D3911D3E4981000E787EC6DE8A4	Attribute	Description	
Customer Birth Date	8D679D3911D3E4981000E787EC6DE8A4	Attribute	Path	\MicroStrategy Tutorial\Schema Objects\Attributes\Customers\Customer Birth Date
Customer Birth Date	8D679D3911D3E4981000E787EC6DE8A4	Attribute	Lookup Table	LU CUSTOMER
Customer Birth Date	8D679D3911D3E4981000E787EC6DE8A4	Attribute	Attribute Forms	ID: CUST BIRTHDATE
Customer Birth Date	8D679D3911D3E4981000E787EC6DE8A4	Attribute	Attribute Children	Customer: One to Many (LU_CUSTOMER)
Customer Birth Date	8D679D3911D3E4981000E787EC6DE8A4	Attribute	Attribute Parents	Customer Age: Many to One (LU_CUSTOMER)
Sustomer City	8D679D3A11D3E4981000E787EC6DE8A4	Attribute	Description	customer Age. Many to one (E0_C0010METT)
Customer City	8D679D3A11D3E4981000E787EC6DE8A4	Attribute	Path	\MicroStrategy Tutorial\Schema Objects\Attributes\Customers\Customer City
Customer City	8D679D3A11D3E4981000E787EC6DE8A4	Attribute	Lookup Table	LU CUST CITY
Customer City	8D679D3A11D3E4981000E787EC6DE8A4	Attribute	Attribute Forms	ID: CUST CITY ID II DESC: CUST CITY NAME
Customer City	8D679D3A11D3E4981000E787EC6DE8A4	Attribute	Attribute Children	Customer: One to Many (LU_CUSTOMER)
			Attribute Children	
Customer City	8D679D3A11D3E4981000E787EC6DE8A4	Attribute	Description	Customer State: Many to One (LU_CUST_CITY)
Customer Country	CE83EF17457F50F005D767864DAF42B7	Attribute	Path	\MicroStrategy Tutorial\Schema Objects\Attributes\Customers\Customer Country
Customer Country	CE83EF17457F50F005D767864DAF42B7	Attribute		U CUST COUNTRY
Customer Country	CE83EF17457F50F005D767864DAF42B7	Attribute	Lookup Table	
Customer Country	CE83EF17457F50F005D767864DAF42B7	Attribute	Attribute Forms	ID: CUST_COUNTRY_ID DESC: CUST_COUNTRY_DESC
Customer Country	CE83EF17457F50F005D767864DAF42B7	Attribute	Attribute Children	Customer Region: One to Many (LU_CUST_REGION)
Customer Country	CE83EF17457F50F005D767864DAF42B7	Attribute	Attribute Parents	
Customer Email	5F0132EE456A636FC8D6E7A59A097AA2	Attribute	Description	
Customer Email	5F0132EE456A636FC8D6E7A59A097AA2	Attribute	Path	\MicroStrategy Tutorial\Schema Objects\Attributes\Customers\Customer Email
Customer Email	5F0132EE456A636FC8D6E7A59A097AA2	Attribute	Lookup Table	LU_CUSTOMER
Customer Email	5F0132EE456A636FC8D6E7A59A097AA2	Attribute	Attribute Forms	ID: EMAIL
Customer Email	5F0132EE456A636FC8D6E7A59A097AA2	Attribute	Attribute Children	Customer: One to Many (LU_CUSTOMER)
Customer Email	5F0132EE456A636FC8D6E7A59A097AA2	Attribute	Attribute Parents	
Customer Gender	4151F1304F00A51EB13BCF84283396BE	Attribute	Description	
Customer Gender	4151F1304F00A51EB13BCF84283396BE	Attribute	Path	\MicroStrategy Tutorial\Schema Objects\Attributes\Customers\Customer Gender
Customer Gender	4151F1304F00A51EB13BCF84283396BE	Attribute	Lookup Table	LU_GENDER
Customer Gender	4151F1304F00A51EB13BCF84283396BE	Attribute	Attribute Forms	ID: GENDER_ID DESC: GENDER_DESC
Customer Gender	4151F1304F00A51EB13BCF84283396BE	Attribute	Attribute Children	Customer: One to Many (LU_CUSTOMER)
	11 E1 E1 20 (E224 E1 ED1 20 CE0 (2022200E	A 10 19 10	A42.1 D 1	



This function shows the count for each object type in the selected folder.

Object type count		X
Temporary		
Object Type	Count	
📲 Drill Map	3	
👔 Elements Prompt	3	
🔞 Filter	6	Ε
👔 Graph	2	
🛄 Grid	5	
Metric	8	-

Change Journal Documentation

Yet another function created for documentation purposes. It retrieves the Change Journal entries for the objects stored in the selected folder and then offers the possibility to export the results to Excel.

Name	ID	Туре	Username	TimeStamp	Machine	Change Type	Transaction Type	Comments
Non-Web Sales	41132A0A48A5AE6A820A7188F3985AE2	Metric	Administrator	2/2/2009 11:17:39 PM	MAD-JALONS	Change	Save	
Non-Web Sales	41132A0A48A5AE6A820A7188F3985AE2	Metric	Administrator	2/10/2009 7:44:45 PM	MAD-JALONSO2	Change	Save	
Non-Web Sales	41132A0A48A5AE6A820A7188F3985AE2	Metric	Administrator	2/18/2009 5:42:48 PM	MAD-JALONS	Change	Save	
Non-Web Sales	41132A0A48A5AE6A820A7188F3985AE2	Metric	Administrator	2/18/2009 6:06:46 PM	MAD-JALONS	Change	Save	
Web Sales	9F9B1E724E4E242755BE10AFABA290F4	Metric	Administrator	2/2/2009 9:50:58 PM	MAD-JALONS	Change	Save	
Web Sales	9F9B1E724E4E242755BE10AFABA290F4	Metric	Administrator	2/2/2009 11:52:56 PM	MAD-JALONS	Change	Save	
Web Sales	9F9B1E724E4E242755BE10AFABA290F4	Metric	Administrator	2/3/2009 3:47:43 PM	MAD-JALONS	Change	Save	
Web Sales	9F9B1E724E4E242755BE10AFABA290F4	Metric	Administrator	2/3/2009 4:40:55 PM	MAD-JALONS	Change	Save	
Web Sales	9F9B1E724E4E242755BE10AFABA290F4	Metric	Administrator	2/3/2009 5:30:24 PM	MAD-JALONS	Change	Save	
Web Sales	9F9B1E724E4E242755BE10AFABA290F4	Metric	Administrator	2/3/2009 6:03:54 PM	MAD-JALONS	Change	Save	
Web Sales	9F9B1E724E4E242755BE10AFABA290F4	Metric	Administrator	2/9/2009 3:33:54 PM	MAD-JALONSO2	Change	Save	
Web Sales	9F9B1E724E4E242755BE10AFABA290F4	Metric	Administrator	2/10/2009 7:53:10 PM	MAD-JALONSO2	Change	Save	
Web Sales	9F9B1E724E4E242755BE10AFABA290F4	Metric	Administrator	2/18/2009 5:50:22 PM	MAD-JALONS	Change	Save	
Web Sales	9F9B1E724E4E242755BE10AFABA290F4	Metric	Administrator	2/18/2009 6:14:23 PM	MAD-JALONS	Change	Save	

This function can only be executed in a 9.0 MicroStrategy environment.

Until a better algorithm is found, be warned that this function is very slow.

Deployment List

Let's say you want to deploy some objects from one project to another and you are asked to provide a list of those objects. Just run this function over the folder where the objects (or their shortcuts) are stored and there you have it:

	a de la Callancia a Calalano		
	the following folder:		
MicroStrategy	Tutorial\PublicObjects\Prompts		
Detailed list of		1	
Object Type	Object Name	Object Location	
Folder	System prompts	\Public Objects\Prompts\	
Prompt	Choose Custom Group	\Public Objects\Prompts\	
Prompt	Choose from a list of atributes	\Public Objects\Prompts\	
Prompt	Choose from a list of metrics	\Public Objects\Prompts\	
Prompt	Choose one or more years	\Public Objects\Prompts\	
Prompt	Contributors	\Public Objects\Prompts\	
Prompt	Customers segmentation axis	\Public Objects\Prompts\	
Prompt	Select a Category	\Public Objects\Prompts\	
Prompt	Select Attributes to display on rows	\Public Objects\Prompts\	
Prompt	Select Call Center	\Public Objects\Prompts\	
Prompt	Select Item from TV&Video	\Public Objects\Prompts\	
Prompt	Select Metrics to display on columns	\Public Objects\Prompts\	_
Report	New Report	\Public Objects\Prompts\	_

Object Tracker Object Tracker

<u>Senthil Raj</u>, author of the celebrated **Object Tracking Tool** has kindly agreed to enrich Metadata Browser with tracking functionalities.

There are two ways the results can be displayed:

<u>Classic</u>: this is the classic Object Tracking Tool style, where Type, Name, ID, Version, Path, Owner, Creation Date, Modify Date, Description and Hidden Status are show.

Object Type		- Search Criteria		Type				
All C Cu Attribute (incl Consolidation Document	Transformation)	Time Selection	Created C Modifie	Classic "Ob Version, Pa		" style - Type, Name, I n Date, Modify Date, s	D, GO	
Document Drill Map Fact Filter (incl. Cu Hierarchy Metric Prompt	istom Group)	© Fixed © Date From: 02/07/2010 Date To: 02/07/2010		multiple row	tion tool style - eve s with additional pr lity, Formula, Relati	ry object is displayed o operties such as onship, Lookup Table	<u> </u>	
Гуре	Name	ID	Version ID	Path	Owner	Creation Date	Modified Date	Descri
Attribute 🦉	Year	E383A76A11D	3500EB474471	\Customer Anal	Administrator	14/01/2004 2:	23/12/2008 9:	
Attribute 🥖	Transaction	3D51D16611D	832C87E44F1A	\Customer Anal	Administrator	14/01/2004 2:	23/12/2008 9:	
Attribute	Responded to	CF6F62554AE1	DB2B8732473	\Customer Anal	Administrator	29/06/2004 12	23/12/2008 9:	
Attribute 🦉	Quarter	E383A76911D	DC2994364C4	\Customer Anal	Administrator	14/01/2004 2:	23/12/2008 9:	
Attribute	Product Group	E383A76811D	6402669D4D4	\Customer Anal	Administrator	14/01/2004 2:	23/12/2008 9:	
A 1 1 1 1 1	Product	E383A76711D	60FAA74F4061	\Customer Anal	Administrator	14/01/2004 2:	23/12/2008 9:	
Attribute	Month	E383A76511D	7B8D1153442F	\Customer Anal	Administrator	14/01/2004 2:	23/12/2008 9:	
		E O O O A TOOM & D	045554504400	\Customer Anal	Administrator	14/01/2004 2:	23/12/2008 11	
Attribute Attribute Attribute	Date	E383A76311D	8455545C4498				23/12/2008 9	
Attribute Attribute Attribute	Customer Tenur	3D51D19E11D	C5F63DB043B	\Customer Anal	Administrator	14/01/2004 2:		
Attribute Attribute Attribute Attribute	Customer Tenur Customer Status	3D51D19E11D E383A76111D	C5F63DB043B F7DFE8394ED	\Customer Anal	Administrator	14/01/2004 2:	23/12/2008 9:	
Attribute Attribute Attribute Attribute Attribute	Customer Tenur Customer Status Customer State	3D51D19E11D E383A76111D E383A76011D	C5F63DB043B F7DFE8394ED 3F5B627F4892	\Customer Anal \Customer Anal	Administrator Administrator	14/01/2004 2: 14/01/2004 2:	23/12/2008 9: 23/12/2008 9:	
Attribute Attribute Attribute Attribute Attribute Attribute	Customer Tenur Customer Status Customer State Customer Region	3D51D19E11D E383A76111D E383A76011D E383A75F11D	C5F63DB043B F7DFE8394ED 3F5B627F4892 54843B254316	\Customer Anal \Customer Anal \Customer Anal	Administrator Administrator Administrator	14/01/2004 2: 14/01/2004 2: 14/01/2004 2:	23/12/2008 9: 23/12/2008 9: 23/12/2008 9:	
Attribute Attribute Attribute Attribute Attribute	Customer Tenur Customer Status Customer State	3D51D19E11D E383A76111D E383A76011D	C5F63DB043B F7DFE8394ED 3F5B627F4892	\Customer Anal \Customer Anal	Administrator Administrator	14/01/2004 2: 14/01/2004 2:	23/12/2008 9: 23/12/2008 9:	

Documentation: This works exactly as the Documentation Tool ($\overline{10}$), except that it extends the search throughout the entire project, instead of a single folder.

🙀 Object Tracker					
Object Type	Search Criteria		Туре	[
C All C Custom		1odified	C Classic		
All Custom All Custom All Custofication Consolidation Consolidation Consolidation Consolidation Fact Fact Filter (incl. Custom Group) Hierarchy Metric Prompt *	None Created N Time Selection Fixed C Interval Date From: 02/07/2010 Date To: 02/07/2010	1 dilied	Classic "Object Tracking Version, Path, Owner, C Description and Hidden © Documentation Documentation tool style multiple rows with additic	- every object is displayed on	
Name ID		Туре	Property name	Property value	
% Active Customers - Cur E2FE839747	DEAGA6AC300FAAC80EC005	Metric	Description	Percentage of active customers for a particular rep	orti
% Active Customers - Cur E2FE839747		Metric	Path	\Customer Analysis Module\Public Objects\Metrics	
% Active Customers - Cur E2FE839747		Metric	Formula	(1.0001 * [Active Customers - Current]) / (1.0001 * [
% Active Customers - Cur E2FE839747	DEA0A6AC300FAAC80EC005	Metric	Dimensionality	(
% Active Customers - Cur E2FE839747	DEA0A6AC300FAAC80EC005	Metric	Condition		
% Active Customers - Cur E2FE839747	DEA0A6AC300FAAC80EC005	Metric	Transformation		
% Active Customers - Cur E2FE839747	DEA0A6AC300FAAC80EC005	Metric	Format	0.00%	
% Active Customers - Cur E2FE839747	DEA0A6AC300FAAC80EC005	Metric	Alias		
% Active Customers - Cur E2FE839747	DEA0A6AC300FAAC80EC005	Metric	Smart Metric	No	
% Customers vs. Region B2421D6611	D5E4DDB00041B2FB2524D0	Metric	Description	Percentage of customers for a particular reporting e	ele
% Customers vs. Region B2421D6611	D5E4DDB00041B2FB2524D0	Metric	Path	\Customer Analysis Module\Public Objects\Metrics	AC
% Customers vs. Region B2421D6611	D5E4DDB00041B2FB2524D0	Metric	Formula	(1.0001 * [Customers with Transactions]) / (1.0001	* [
% Customers vs. Region B2421D6611	D5E4DDB00041B2FB2524D0	Metric	Dimensionality		
% Customers vs. Region B2421D6611	D5E4DDB00041B2FB2524D0	Metric	Condition		
	D5E4DDB00041B2FB2524D0	Metric	Transformation		
% Customers vs. Region B2421D6611	D5E4DDB00041B2FB2524D0	Metric	Format	0%;[RED](0%)	
	D5E4DDB00041B2FB2524D0	Metric	Alias		
% Customers vs. Benion B2421D6611	D5F4DDB00041B2FB2524D0	Metric	Smart Metric	No	*
278 objects found.					

Academy awards time

I would like to thank <u>MicroStrategy 101</u> and <u>MicroStrategy Blog</u> for hosting this application.

Thank you <u>Senthil Raj</u> for allowing the Object Tracking Tool to be part of Metadata Browser.

Additional thanks goes to <u>Ashish Tiwari</u> and Thorsten Enoch for QA proofing this otherwise unstable code and for their wonderful support and ideas.

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