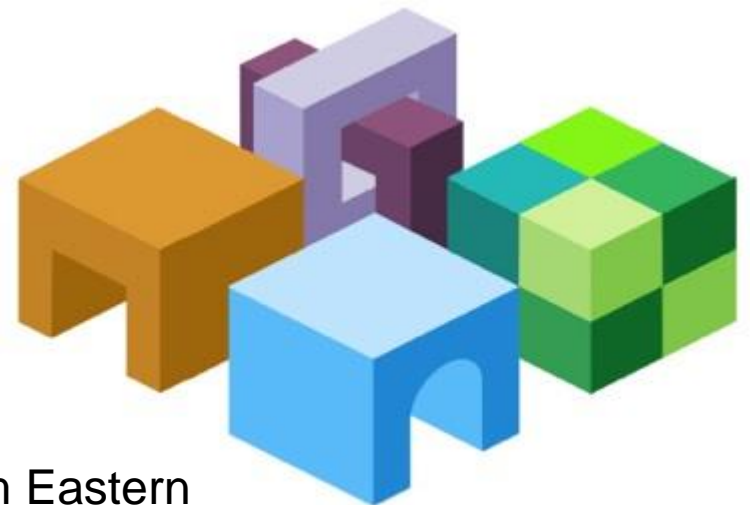


Essbase Tips & Tricks



MINDSTREAM
ANALYTICS



Webinar will Start at 12:05pm Eastern

10.24.14

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- 15 years of Planning/Essbase Experience
- 17 years of BI Experience
- Senior Partner - **MindStream Analytics**

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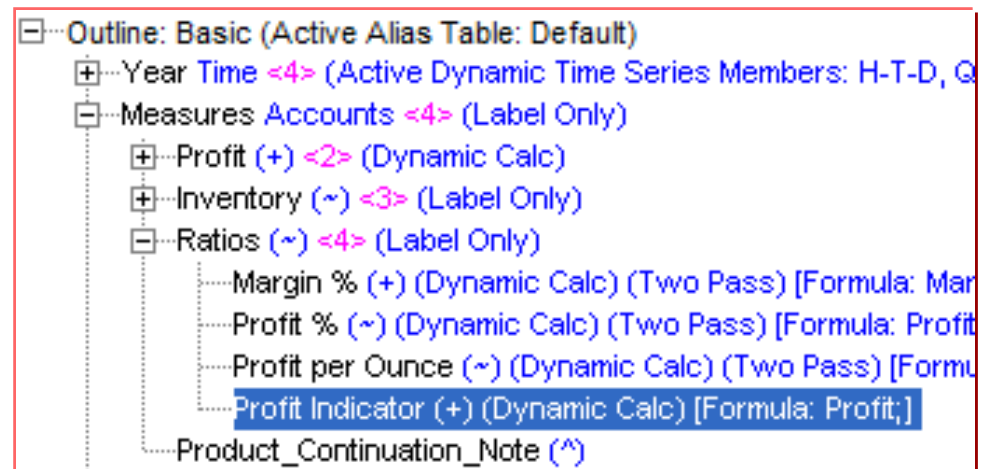
Today's Agenda

- Database Set up Options
 - Format Strings
 - Sharing Data
 - Partitions
 - Other Options
- Couple Calc Script Items
 - @XWRITE & @XREF
 - EXCLUDE
 - @MATCH weakness
 - Environment Variables in Calcs
 - ASO Calcs
- Administration items
 - Multi-processing exports
 - Transaction Logging & Replay
 - Implied Share Override
- Ancillary Tools Notes and updates



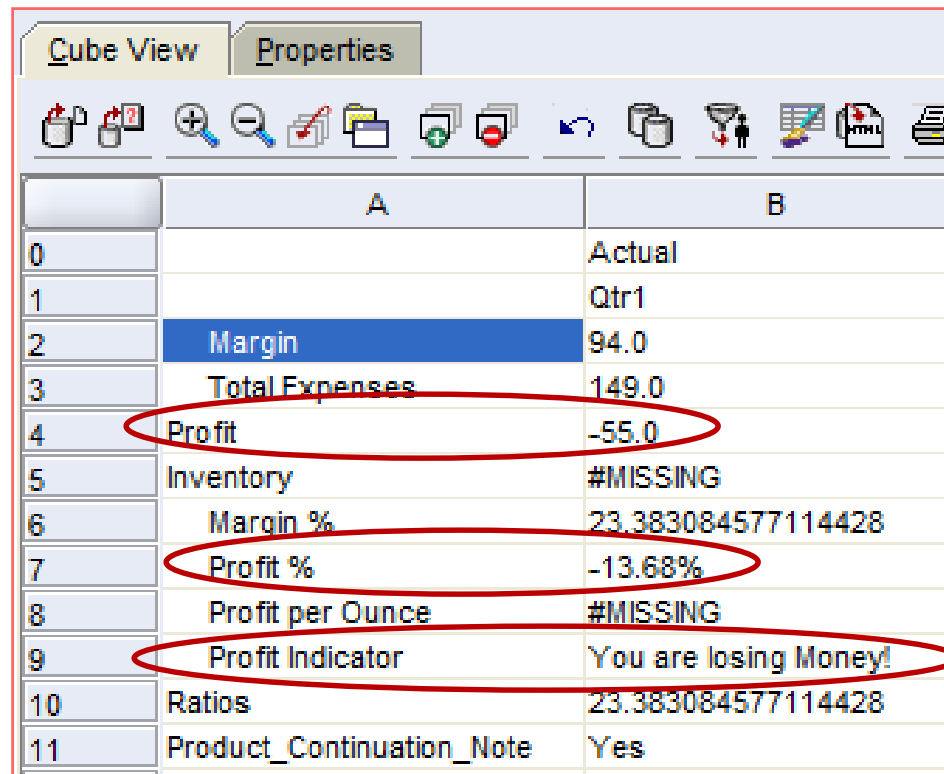
Format Strings

- Allow the application to pre-format cells during retrieval
 - This is not storing formatted data in the database! Instead it is applying the formatting upon retrieval
 - Can be used for Textual Traffic Lighting



Information	Attributes	Associations	UDAs	Formula
<div> <div>Information</div> <div> <div>Member information</div> <div> Name: <u>Profit Indicator</u> </div> <div> Two-Pass calculation: <u>false</u> </div> <div> <div>Type: <u>Numeric</u></div> <div> <div>Select Text List: <u>Select</u></div> <div> Associate format string: <u>MdxFormat(IIF(CellValue() < 0, "You are losing Money!", "You are Making Money!! Woohoo!!!"))</u> </div> </div> </div> </div> </div>				

Format Strings – The Result!



	A	B
0		Actual
1		Qtr1
2	Margin	94.0
3	Total Expenses	149.0
4	Profit	-55.0
5	Inventory	#MISSING
6	Margin %	23.383084577114428
7	Profit %	-13.68%
8	Profit per Ounce	#MISSING
9	Profit Indicator	You are losing Money!
10	Ratios	23.383084577114428
11	Product_Continuation_Note	Yes

- Not many Good references on this
 - Look in Technical Reference and search on “MdxFormat” then choose CellValue

Partitioning & Other Options

Partitions allow a database administrator or designer to move or reference data between Essbase databases. There are three types of partitions and they all have different characteristics.

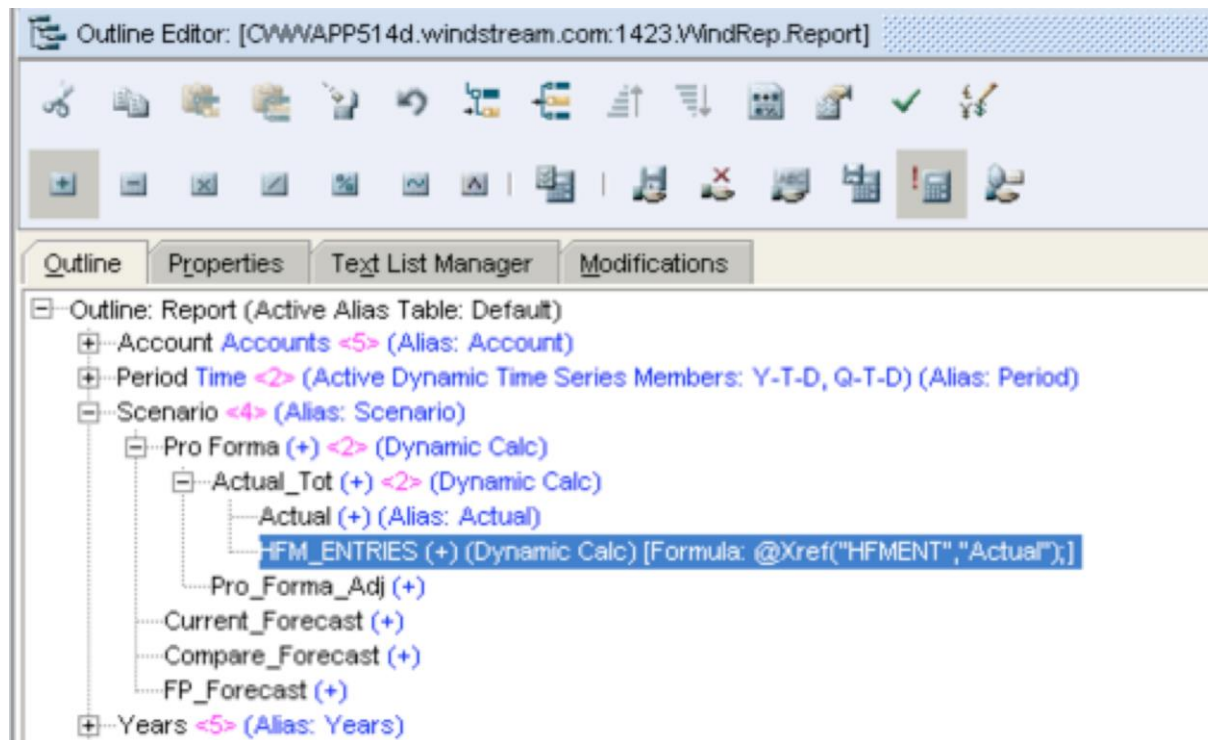
- **REPLICATED:** This moves data from one database to another
- **TRANSPARENT:** This links one database to another and allows a user to see data from another database
- **LINKED:** This allows a user to see data from another database by taking the user to that database. Think about this as drill through from one Essbase database to another
- **@XREF:** Pulls data from another database into the database using the @XREF command. Planning uses this heavily. Good if you have a static link and it is formulaic
- **@XWRITE:** Sends data to another database

Partitions

Source	Target	Replicated	Transparent	Linked
Block storage	Block storage	Yes	Yes	Yes
Aggregate storage	Block storage	No	Yes	Yes
Aggregate storage	Aggregate storage	No	Yes	Yes
Block storage	Aggregate storage	Yes	Yes	Yes

- Set up partitions in EAS
- Maintaining definitions can be tricky
- Can help with performance at times

@XREF instead of Partition



- Scenario dense
- Link Existing Reporting database with other “HFMENT” database

@XWrite instead of Partition

```
//ESS_LOCALE English_UnitedStates.Latin1@Binary
```

```
Name: Drivers
```

```
Purpose: To feed the IncStmt database the drivers it needs from this Volume database. It has been determined through testing  
this method creates the least amount of extra blocks and performs the fastest while creating blocks for us.
```

```
Created: 09/14/2010
```

```
Author: Alex Ladd
```

```
*/
```

```
SET UPDATECALC OFF;
```

```
FIX ("Actual", "Curr", "No Entity")
```

```
Fix("Channel", "PR_EO")
```

```
/* Gross New EO Accounts Driver */
```

```
"MTD Count Gross Deposit Accounts" <
```

```
@XWRITE("MTD Count Gross Deposit Accounts", _RevCube_, "Value", "Gross Account EO");
```

```
)
```

- @XWRITE sends data much like a replicated partition
- Still uses “Location Aliases”

@Xwrite - Example

- Very useful for Planning applications that have workflows in multiple databases

```
//ESS_LOCALE English_UnitedStates.Latin1@Binary
```

```
Name: Drivers
```

```
Purpose: To feed the IncStmt database the drivers it needs from this Volume database. It has been determined through testing  
this method creates the least amount of extra blocks and performs the fastest while creating blocks for us.
```

```
Created: 09/14/2010
```

```
Author: Alex Ladd
```

```
*/
```

```
SET UPDATECALC OFF;
```

```
FIX ("Actual", "Curr", "No Entity")
```

```
Fix("Channel", "PR_EO")
```

```
/* Gross New EO Accounts Driver */
```

```
"MTD Count Gross Deposit Accounts" (
```

```
  @XWRITE("MTD Count Gross Deposit Accounts", _RevCube_, "Value", "Gross Account EO");
```

```
)
```

- BEWARE - The Intelligent Calculator essentially shuts off this function

- Turn UpdateCalc OFF

- Needs to be inside a Calc Block

@Xwrite instead of CREATEBLOCKS

```
FIX (""RF3"", ""Working"", ""Jan"":""Dec"", ""FY12"", ""US20566267"")
AGG (""Value"", ""SenderCC"");
  ""7776100"" (
    @XWRITE(("Total Pri & Sec wCL82""->""SenderCC""->""Total Value"" * ""7776100""->""US20566267_SC""->""Total CC""->""Input"" * -0.01),@LOOPBACK,""7776100"", ""Allo
  )
ENDFIX;
FIX (""RF3"", ""Working"", ""Jan"":""Dec"", ""FY12"", ""US20566267_SC"",@DESCENDANTS("Entity",0))
  ""7776100"" (
    @XWRITE(("7776100""->""Input"" * 0.01 * ""Total Pri & Sec wCL82""->""TotalSENDCC""->""US20566267""->""Total Value""), @LOOPBACK,""7776100"", ""Allocation In"");
  )
ENDFIX;
```



@LOOPBACK

- @XWRITE creates blocks
 - Use @LOOPBACK to use @XWRITE to create blocks within database
- Formulas inside @XWRITE or VAR
- Send to a different POV than where the data originates

EXCLUDE in a Calc Script

Start with a FIX on all 0-Level Products

```
FIX ("Actual", @RELATIVE("Market",0),@RELATIVE("Product",0))
EXCLUDE ("100-20","200-20","300-30")
```

```
"Opex%" (
  IF (@ISLEV(Year,0))
    "Opex%" = "Total Expenses"/"Profit";
  ENDIF
)
```

```
ENDEXCLUDE
ENDIFX
```

Then Exclude the Diet Members

- Fix on big group then EXCLUDE some members
- Saves have to write long or nested FIX statements
- Close with ENDEXCLUDE



Outline: Basic (Active Alias Table: Default)

- Year Time <4> (Active Dynamic Time Series Members: H-T-D, Q-T-D) (Dynamic)
- Measures Accounts <3> (Label Only)
 - Profit (+) <2> (Dynamic Calc)
 - Margin (+) <2> (Dynamic Calc)
 - Total Expenses (-) <3> (Dynamic Calc) (Expense Reporting)
 - Inventory (~) <3> (Label Only)
 - Ratios (~) <4> (Label Only)
 - Margin % (+) (Dynamic Calc) (Two Pass) [Formula: Margin % Sales;]
 - Profit % (~) (Dynamic Calc) (Two Pass) [Formula: Profit % Sales;]
 - Opex% (+)
 - Profit per Ounce (~) (Dynamic Calc) (Two Pass) [Formula: Profit/@ATTRIBU]
- Product <5> {Caffeinated, Intro Date, Ounces, Pkg Type}
 - 100 (+) <3> (Alias: Colas)
 - 100-10 (+) (Alias: Cola) {Caffeinated: True; Intro Date: 03-25-1996; Our
 - 100-20 (+) (Alias: Diet Cola) {Caffeinated: True; Intro Date: 04-01-1996
 - 100-30 (+) (Alias: Caffeine Free Cola) {Caffeinated: False; Intro Date: 04-
 - 200 (+) <4> (Alias: Root Beer)
 - 200-10 (+) (Alias: Old Fashioned) {Caffeinated: True; Intro Date: 09-27-
 - 200-20 (+) (Alias: Diet Root Beer) {Caffeinated: True; Intro Date: 07-26-
 - 200-30 (+) (Alias: Sasparilla) {Caffeinated: False; Intro Date: 12-10-1996
 - 200-40 (+) (Alias: Birch Beer) {Caffeinated: False; Intro Date: 12-10-1999
 - 300 (+) <3> (Alias: Cream Soda)
 - 300-10 (+) (Alias: Dark Cream) {Caffeinated: True; Intro Date: 06-26-19
 - 300-20 (+) (Alias: Vanilla Cream) {Caffeinated: True; Intro Date: 06-26-1
 - 300-30 (+) (Alias: Diet Cream) {Caffeinated: True; Intro Date: 06-26-199
 - 400 (+) <3> (Alias: Fruit Soda)
 - Diet (~) <3> (Alias: Diet Drinks)
 - 100-20 (+) (Alias: Diet Cola) (Shared Member)
 - 200-20 (+) (Alias: Diet Root Beer) (Shared Member)
 - 300-30 (+) (Alias: Diet Cream) (Shared Member)
- Market <4> {Population}
- Scenario <4> (Label Only)
- Caffeinated Attribute [Type: Boolean] <2>
- Ounces Attribute [Type: Numeric] <4>
- Pkg Type Attribute [Type: Text] <2>
- Population Attribute [Type: Numeric] <3>
- Intro Date Attribute [Type: Date] <7>

```
FIX("RECON_SOURCE") /* FIX Source */
```

```
FIX(@MATCH("Entity", "VISA_DA_*")) /* VISA_DA has no exceptions to the automation because it doesn't use TOTAL_KNOWN members */
```

```
"600073" = "600073"->"VIP_SOURCE"->"NO_CRG"->&Prior_Yr;
```

```
ENDFIX
```

```
FIX(@REMOVE(@MATCH("Entity", "RECON_*"), @LIST("RECON_TOP_N_DIRECT", "RECON_NATIONAL_DIRECT", "RECON_BANKNONSPECIFIC")));
```

```
"574047_NO_PM" {
```

```
  IF(@ISDESC("PARTNER_TOTAL"))
```

```
    "574047_NO_PM" = @MEMBER(@CONCATENATE("NO_PARTNER_", @SUBSTRING(@NAME(@CURRMBR("Entity")), 6))) -> "NET_CR_REV" -> "
```

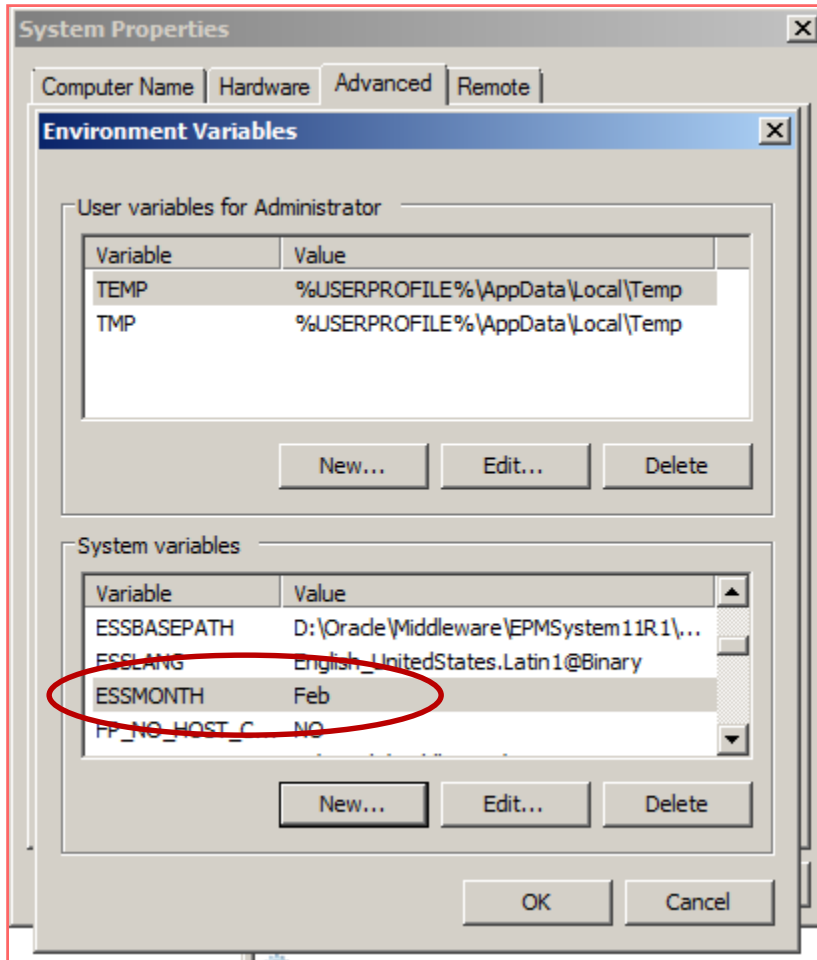
```
    @MEMBER(@CONCATENATE("TOTAL_KNOWN_", @SUBSTRING(@NAME(@CURRMBR("Entity")), 6))) -> "PROC_METHOD_ACCTS" -> "S'
```

```
"564498" = @MEMBER(@CONCATENATE("NO_PARTNER_", @SUBSTRING(@NAME(@CURRMBR("Entity")), 6))) -> "NET_DR_REV" -> "VIP_SOU
```

```
    @MEMBER(@CONCATENATE("TOTAL_KNOWN_", @SUBSTRING(@NAME(@CURRMBR("Entity")), 6))) -> "NET_DR_REV" -> "SYSTEM_SOL
```

- Good for doing Allocations or Eliminations
- Careful, doesn't always throw error when wrong
 - @MATCH("Entity", "RECON_*") &
@MATCH("Entity", "RECON_*") both Validate!
 - Use SET EMPTYMEMBERSETS ON while testing at least

Environment Variables in Calcs



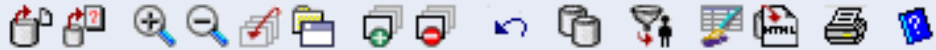
- Only available to BSO

Script

```
//ESS_LOCALE English_UnitedStates.Latin1@Binary  
CLEARDATA "Actual" -> $ESSMONTH;
```

Environment Variables in Calcs – Results!

Before

Cube View		Properties		
				
	A	B	C	
0		Actual	Product	Market
1		Jan	Feb	Mar
2	Margin	50.0	28.0	16.0
3	Total Expenses	52.0	55.0	57.0
4	Profit	-2.0	-27.0	-41.0
5				

After

Cube View

Properties

	A	B	C	
0		Actual	Product	Market
1		Jan	Feb	Mar
2	Margin	50.0	#MISSING	16.0
3	Total Expenses	52.0	#MISSING	57.0
4	Profit	-2.0	#MISSING	-41.0
5				

Clear Specific Regions in ASO

- Continues to expand the ability of ASO to be more like BSO and more of an OLAP database than just a reporting tool.

alter database appname.dbname clear data in region {MDX set expression} [physical];

Cube View

Properties

	A	B	C	D	E	F	G	H
0		Actual	Working	HSP_InputVa...	Local	FY03	Entities	
1		FRAG	FASH	ALEU	BLABS	REAL	ALLOC	NOBRAND
2		TP9	TP9	TP9	TP9	TP9	TP9	TP9
3	Gross Profit	4754802.950...	206658.05	#MISSING	#MISSING	#MISSING	-1045380.95	309632.0
4	TOE	904263.9600...	174621.29	#MISSING	#MISSING	#MISSING	1746971.04	#MISSING
5	Marketing Contribution	3850538.990...	32036.75999...	#MISSING	#MISSING	#MISSING	-2792351.99	309632.0
6	CorpExecT&E	#MISSING	#MISSING	#MISSING	#MISSING	#MISSING	#MISSING	21451.41
7	71400	45620.60999	#MISSING	#MISSING	#MISSING	#MISSING	#MISSING	90458.0
8	71405	#MISSING	#MISSING	#MISSING	#MISSING	#MISSING	#MISSING	#MISSING
9	71410	#MISSING	#MISSING	#MISSING	#MISSING	#MISSING	#MISSING	100021.27
10	71425	#MISSING	#MISSING	#MISSING	#MISSING	#MISSING	#MISSING	#MISSING

Let's try and write a statement to just clear account 71400 for TP9 for Actual scenario, local currency, Working version, Fiscal Year 03 all Entities and all the Brands under FRAG.

Clear Data in ASO – Results!

```
MaxL Script Editor -PuigASO_ClearData [msa-win64]
Agency FB

alter database 'PuigASO'. 'PuigASO' clear data in region "Crossjoin({[FY03]},
    Crossjoin({[TP9]}, Crossjoin({[HSP_InputValue]}, Crossjoin({[Working]},
    Crossjoin({[Local]}, Crossjoin({[Actual]}, Crossjoin({[71400]},
    Crossjoin(Descendants([Frag], [Brands].levels(0)),
    Descendants([Entities],[Entities].levels(0)))))))))"
physical;
```

Cube View		Properties						
	A	B	C	D	E	F	G	H
0		Actual	Working	HSP_InputVa...	Local	FY03	Entities	
1		FRAG	FASH	ALEU	BLABS	REAL	ALLOC	NOBRAND
2		TP9	TP9	TP9	TP9	TP9	TP9	TP9
3	Gross Profit	4754802.950...	206658.05	#MISSING	#MISSING	#MISSING	-1045380.95	309632.0
4	TOE	904263.9600...	174621.29	#MISSING	#MISSING	#MISSING	1746971.04	#MISSING
5	Marketing Contribution	3850538.990...	32036.75999...	#MISSING	#MISSING	#MISSING	-2792351.99	309632.0
6	CornExecT&E	#MISSING	#MISSING	#MISSING	#MISSING	#MISSING	#MISSING	21451.41
7	71400	#MISSING	#MISSING	#MISSING	#MISSING	#MISSING	#MISSING	90458.0
8	71405	#MISSING	#MISSING	#MISSING	#MISSING	#MISSING	#MISSING	#MISSING
9	71410	#MISSING	#MISSING	#MISSING	#MISSING	#MISSING	#MISSING	100021.27

ASO Allocations - Example

- Two options to utilize this function
 - Calc Manager
 - Calc Manager uses @MDALLOCATE
 - MaxL
 - Example Below

Cube View Properties							
	A	B	C	D	E	F	G
0		Working	HSP_InputVa...	FY03	Actual	Local	PuigUSA
1		FRAG	NOBRAND	Brands			
2		TP9	TP9	TP9			
3	Gross Profit	2776968.071	-64333.5	2658154.451			
4	TOE	715287.6799...	#MISSING	1683939.509...			
5	Marketing Contribution	2061680.391	-64333.5	974214.9410...			
6	CorpExecT&E	#MISSING	21451.41	21451.41			
7	71400	#MISSING	45620.61	45620.61			
8	71405	#MISSING	#MISSING	#MISSING			
9	71410	#MISSING	36656.41	36656.41			
10	71425	#MISSING	#MISSING	#MISSING			

ASO Allocations - Example

- Allocate Account 71400 across FRAG Brands from NOBRAND
- We use amount of “([NOBRAND],[71400])” which equates to “NOBRAND”->”71400”; in BSO

```
MaxL Script Editor -PuigAllocateExample [msa-win64.localdomain]
Agency FB

execute allocation process on database PuigASO.PuigASO with
pov "Crossjoin({[FY03]},
    Crossjoin({[TP9]}, Crossjoin({[HSP_InputValue]}, Crossjoin({[Working]},
    Crossjoin({[Local]}, Crossjoin({[Actual]},
    Descendants([Entities],[Entities].levels(0)))))))))"
amount "([NOBRAND],[71400])"
target "([71400])"
range "Descendants([FRAG],[Brands].levels(0))"
basis "([Gross Profit])"
share;
```

	A	B	C	D	E	F	G
0		Working	HSP_InputVa...	FY03	Actual	Local	PuigUSA
1		FRAG	NOBRAND	Brands			
2		TP9	TP9	TP9			
3	Gross Profit	2776968.071	-64333.5	2658154.451			
4	TOE	715287.6799...	#MISSING	1683939.509...			
5	Marketing Contribution	2061680.391	-64333.5	974214.9410...			
6	CorpExecT&E	#MISSING	21451.41	21451.41			
7	71400	45620.60999...	45620.61	91241.22			
8	71405	#MISSING	#MISSING	#MISSING			
9	71410	#MISSING	36656.41	36656.41			

Custom ASO Calcs - Example

- Done via MaxL with custom calculation file

	A	B	C	D	E	F	G	H	I	J
1		HSP_InputValue	FY03	Actual	Working	Local	c			
2		HERRERA	RABANNE	PUIG	RICCI	PRADA	PAYOT	COMMEDG	OthNonPuig	FRAG
3		TP9	TP9	TP9	TP9	TP9	TP9	TP9	TP9	TP9
4	Net Sales	1,424,378.90	235,429.80	35,241.00	567,223.90	168,884.08	24,419.25	#Missing	#Missing	2,455,576.93
5	chg.prov.sales.ret	#Missing	#Missing	#Missing	#Missing	#Missing	#Missing	#Missing	#Missing	#Missing
6	Royalty Income	#Missing	#Missing	#Missing	#Missing	#Missing	#Missing	#Missing	#Missing	#Missing
7	42500	#Missing	#Missing	#Missing	#Missing	#Missing	#Missing	#Missing	#Missing	#Missing
8	42528	#Missing	#Missing	#Missing	#Missing	#Missing	#Missing	#Missing	#Missing	#Missing
9	42501	#Missing	#Missing	#Missing	#Missing	#Missing	#Missing	#Missing	#Missing	#Missing
10	Sales Rebates	#Missing	#Missing	#Missing	#Missing	#Missing	#Missing	#Missing	#Missing	#Missing
11	Exch.Dif.Sales	#Missing	#Missing	#Missing	#Missing	#Missing	#Missing	#Missing	#Missing	#Missing
12	Net Revenues	1,424,378.90	235,429.80	35,241.00	567,223.90	168,884.08	24,419.25	#Missing	#Missing	2,455,576.93
13	COS	793.24	#Missing	#Missing	#Missing	256,170.62	#Missing	#Missing	#Missing	256,963.86
14	Gross Profit	1,423,585.66	235,429.80	35,241.00	567,223.90	(87,286.54)	24,419.25	#Missing	#Missing	2,198,613.07

Object is to calculate Sales Rebates in account 42500 of 5% of Net Sales
Start with calculation file definition:

```
SalesRebates.txt Document3 * Document2 * Document1 *
([42500]) := ([Net Sales]) * .05;
```

Custom ASO Calcs - Example

SourceRegion is everything on the right hand side of your calculations in the calc file

```
MaxL Script Editor -Puig_SalesRebates [msa-win64]
Agency FB
msa-win64

execute calculation on database PuigASO.PuigASO with
local script_file "D:\Client\Puig\SalesRebates.txt"
pov "Crossjoin([FY03]), Crossjoin([TP9]), Crossjoin([HSP_InputValue]), Crossjoin([Working]),
      Crossjoin([Local]), Crossjoin([Actual]), Crossjoin(Descendants([Frag], [Brands].levels(0)),
      Descendants([Entities].[Entities].levels(0))))))"
SourceRegion "([Net Sales])";
```

```
SalesRebates.txt Document3 * Document2 * Document1 *
([42500]) := ([Net Sales]) * .05;
```

	A	B	C	D	E	F	G	H	I	J
1		HSP_InputValue	FY03	Actual	Working	Local	c			
2		HERRERA	RABANNE	PUIG	RICCI	PRADA	PAYOT	COMMEDG	OthNonPuig	FRAG
3		TP9	TP9	TP9	TP9	TP9	TP9	TP9	TP9	TP9
4	Net Sales	1,424,378.90	235,429.80	35,241.00	567,223.90	168,884.08	24,419.25	#Missing	#Missing	2,455,576.93
5	chg.prov.sales.ret	#Missing	#Missing	#Missing	#Missing	#Missing	#Missing	#Missing	#Missing	#Missing
6	Royalty Income	#Missing	#Missing	#Missing	#Missing	#Missing	#Missing	#Missing	#Missing	#Missing
7	42500	71,218.95	11,771.49	1,762.05	28,361.20	8,444.20	1,220.96	#Missing	#Missing	122,778.85
8	42528	#Missing	#Missing	#Missing	#Missing	#Missing	#Missing	#Missing	#Missing	#Missing
9	42501	#Missing	#Missing	#Missing	#Missing	#Missing	#Missing	#Missing	#Missing	#Missing
10	Sales Rebates	71,218.95	11,771.49	1,762.05	28,361.20	8,444.20	1,220.96	#Missing	#Missing	122,778.85
11	Exch.Dif.Sales	#Missing	#Missing	#Missing	#Missing	#Missing	#Missing	#Missing	#Missing	#Missing
12	Net Revenues	1,353,159.96	223,658.31	33,478.95	538,862.71	160,439.88	23,198.29	#Missing	#Missing	2,332,798.08
13	COS	793.24	#Missing	#Missing	#Missing	256,170.62	#Missing	#Missing	#Missing	256,963.86
14	Gross Profit	1,352,366.72	223,658.31	33,478.95	538,862.71	(95,730.74)	23,198.29	#Missing	#Missing	2,075,834.22

Multi-Threaded Exports

```
SPPOOL ON TO '/work/PennHist-prod/logs/Hourly_Budget_Load.log';

set timestamp on;

alter application 'PennPln1' disable connects;
alter system logout session on application 'PennPln1' force;
alter application PennPln1 unload database Revexp;
alter system unload application PennPln1;
alter system load application PennPln1;
ALTER APPLICATION PennPln1 LOAD DATABASE 'Revexp';
EXPORT DATABASE PennPln1.Revexp LEVEL0 DATA IN COLUMNS TO DATA_FILE '/work/PennPlan-prod/RevExp/PennPln1_Revexp_Level0_1.txt',
'/work/PennPlan-prod/RevExp/PennPln1_Revexp_Level0_2.txt',
'/work/PennPlan-prod/RevExp/PennPln1_Revexp_Level0_3.txt',
'/work/PennPlan-prod/RevExp/PennPln1_Revexp_Level0_4.txt',
'/work/PennPlan-prod/RevExp/PennPln1_Revexp_Level0_5.txt',
|'/work/PennPlan-prod/RevExp/PennPln1_Revexp_Level0_6.txt';

alter application 'PennPln1' enable connects;

SHELL awk FNR=1 /work/PennPlan-prod/RevExp/PennPln1_Revexp_Level0_1.txt /work/PennPlan-prod/RevExp/PennPln1_Revexp_Level0_2.txt

SHELL cp /work/PennPlan-prod/RevExp/PennPln1_Revexp_Level0.txt /work/PennPlan-prod/RevExp/PennPln1_Revexp_Level0_$1.txt;
```

Multi-Threaded
Export

Put the Export
back to one file

- 60% improvement in export speeds
- Careful putting multiple files back together
 - Header row in Column format is in each file

Transaction Logging

- Greatly enhances Essbase backup strategies and allows for roll forwards of transactions
- This is an example of Oracle making Hyperion software more “IT Ready”

Step 1 – Enable Logging

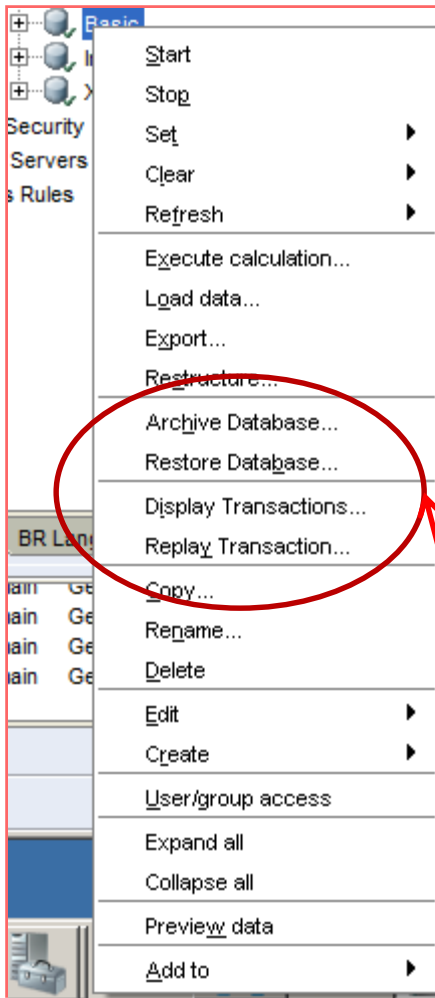
- Essbase.cfg setting:

TRANSACTIONLOGLOCATION [app name][db name] *LogLocation* NATIVE
ENABLE|DISABLE

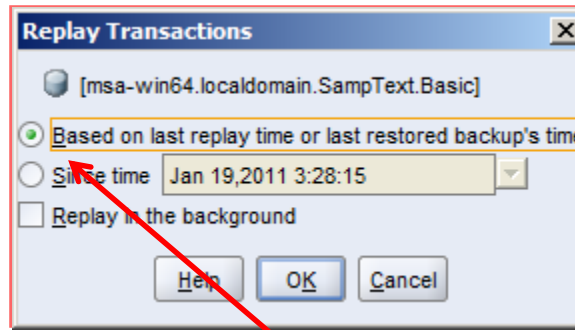
- My example
 - TRANSACTIONLOGLOCATION SampText
D:\esbTransactions\Logs NATIVE ENABLE
 - If you leave out the App Name it will take effect for the server

Transaction Logging in EAS

1.



2.

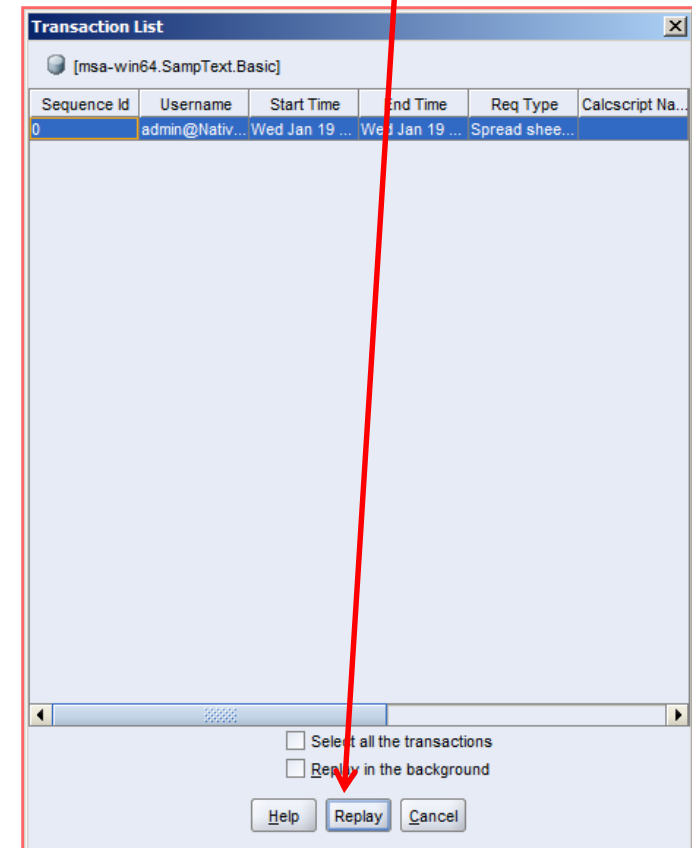


Choose parameters to view different groups of transactions

Archive & Restore Database, Display & Replay Transactions are accessed by right clicking Database

3.

Transaction List allows replay of specific transactions or all transactions



Implied Share Override

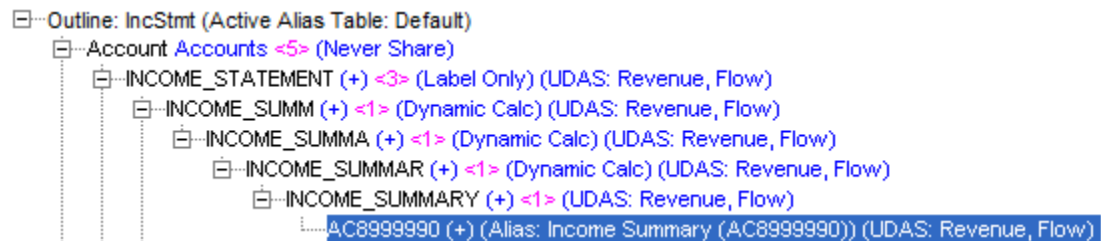
- Essbase.cfg setting
 - IMPLIED_SHARE [app name] TRUE|FALSE
- Two API Functions are available for this setting as well:
 - EssOtlGetImpliedShare and EssOtlSetImplied Share

```
Essbase config settings (essbase.cfg)
SERVERPORTEND 33766
AGENTDESC hypservice

CLEARLOGFILE FALSE
NETRETRYCOUNT 1000
NETDELAY 800
CALCCACHE TRUE
CALCCACHEDEFAULT 5000000
CALCCACHEHIGH 199999999
CALCLOCKBLOCKHIGH 500
CALCLOCKBLOCKDEFAULT 500
CALCLOCKBLOCKLOW 200

SERVERTHREADS 40
AGENTTHREADS 10

IMPLIED_SHARE ING_Plan FALSE
```



Implied Share Override

Data Preview Grid [msa-win64.localdomain:ING_Plan, IncStmt]

Cube View Properties

	A	B	C	D	E	F
0		Value	FY09	Actual	1st Pass	BU30040
1		Jan	Feb	Mar		
2	AC8999990	#MISSING	#MISSING	#MISSING		
3	INCOME_SUMMARY	#MISSING	#MISSING	#MISSING		
4	INCOME_SUMMAR	#MISSING	#MISSING	#MISSING		
5	INCOME_SUMMA	#MISSING	#MISSING	#MISSING		
6	TOTAL_EXPENSE	#MISSING	#MISSING	#MISSING		
7	TOTAL_REVENUE	#MISSING	#MISSING	#MISSING		
8	DataCafe Management	#MISSING	#MISSING	#MISSING		
9	Expense Management	#MISSING	#MISSING	#MISSING		
10	STAT_ACCOUNT	#MISSING	#MISSING	#MISSING		
11	RATES_AND_DRIVERS	#MISSING	#MISSING	#MISSING		

Before and after lock and send to 0-Level member shows data is retained and therefore implied share suppression works

Data Preview Grid [msa-win64.localdomain:ING_Plan, IncStmt]

Cube View Properties

	A	B	C	D	E	F
0		Value	FY09	Actual	1st Pass	BU30040
1		Jan	Feb	Mar		
2	AC8999990	50000.0	#MISSING	#MISSING		
3	INCOME_SUMMARY	#MISSING	#MISSING	#MISSING		
4	INCOME_SUMMAR	#MISSING	#MISSING	#MISSING		
5	INCOME_SUMMA	#MISSING	#MISSING	#MISSING		
6	TOTAL_EXPENSE	#MISSING	#MISSING	#MISSING		
7	TOTAL_REVENUE	#MISSING	#MISSING	#MISSING		
8	DataCafe Management	#MISSING	#MISSING	#MISSING		
9	Expense Management	#MISSING	#MISSING	#MISSING		
10	STAT_ACCOUNT	#MISSING	#MISSING	#MISSING		
11	RATES_AND_DRIVERS	#MISSING	#MISSING	#MISSING		
12						

Ancillary Tools – Some Notes

- Dodeca
 - Great adhoc and report generating tool for Essbase
- CXO Cockpit
 - Easy to implement Dashboard tool works great with Essbase
- Savant
 - Text & Voice natural queries for Essbase
- EPM Shield
 - Monitor Essbase and other useful admin tools

The logo for CXO Cockpit, with "CXO" in orange and "COCKPIT" in white on a dark grey background.

Questions

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For a copy of this presentation with detailed notes, please go to

<http://www.mindstreamanalytics.com/presentations.html>

