EPMCPA - OneStream SQL Data Integration, Reporting & Dashboards

OneStream SQL Data Integration & Reporting

OneStream SQL Experience Overview

Database	Data Source	OneStream SQL Component	OneStream User Reporting
▪ SQL Server	JD Edwards ERP Tables	AR, AP & GL Transactions OneStream SQL Query	OneStream Report Studio Dashboard Reports. Alternative to Cube View Drill-Down.
	Sales Order Data Warehouse	Pivot Periods into Columns	OneStream Report Studio Dashboard Reports. Variance Reports. Single-Click Drill-Down to Detail rows and attribute columns. *(see Illustration on following page)*
	OneStream SQL Tables	Complex OneStream SQL Query joining OneStream Stage Source & Target Tables	OneStream Sys Admin Data Validation & Mapping Exception Report. Key Financial Close Component for automated Data Load. Summary & Detail Report for trouble shooting GL Issues.
		Data Mapping OneStream SQL Query	OneStream Account Mapping report for Controllers
		Journal Entry Header & Detail complex OneStream SQL Query	OneStream Journal Entry Reports / Internal & Audit
		OneStream Intercompany Method SQL Query	Formatted Intercompany Matching Report
		OneStream Relational Blend People Planning SQL Query	Employee Utilization BI Report Package and Charts
▪ SQL Server (Azure)	Data Warehouse	OneStream SQL Business Rule: MS Dynamics, SAP & JD Edwards GL Data Load	OneStream Cube Views, drill-down to transaction detail
▪ Oracle	Oracle EBS ERP Tables	OneStream SQL Business Rule: GL Data Load and Sales Order Detail Load	OneStream Cube Views, drill-down to transaction detail.
	Oracle Data Warehouse	OneStream SQL Business Rule: SQL Transaction Data Load to OneStream	OneStream Standard Cost vs. Actual Costs Variance Cube Views

OneStream SQL Reports & Dashboard Illustrations

SQL Summary / Detail Dashboard Reports

Dashboard - Darling Event Planners

| Single Period, CV | Expanded Period, CV | Variance Periods, CV | Variance Scenarios, CV | Summary / Detail, SQL | Drill Down, SQL | Variance, SQL | Revenue, SQL | Account Detail, SQL |

ALL CUSTOMERS ▼   ALL REVENUE ACCOUNTS ▼   Post Year: 2020 ▼   Variance Months: 20-Feb ▼ vs. 20-Mar ▼

| Summary Revenue | Sales Order Detail |

Summary Revenue

Preview

Customer Summary Revenue

Customer	Location	Post Year	Jan	Feb	Mar	Year Total	20-Feb	20-Mar	Variance
Apple	Kenosha	2020	360,529	550,909	1,116,600	**2,028,038**	550,909	1,116,600	**-565,690**
AT&T	Montpelier	2020	817,785	1,065,474	6,054,843	**7,938,102**	1,065,474	6,054,843	**-4,989,369**
Berkshire Hathaway	Madison	2020			725,711	**725,712**		725,712	**-725,712**
CVS Health	Brookfield	2020			585,631	**585,631**		585,631	**-585,631**
Exxon Mobil	Neenah	2020			670,310	**670,310**		670,310	**-670,310**
McKesson	Stevens Point	2020	1,151,905	1,151,905	2,621,171	**4,924,980**	1,151,905	2,621,171	**-1,469,266**
UnitedHealth Group	Beloit	2020		649,046	704,460	**1,353,506**	649,046	704,460	**-55,414**
Walmart	Sussex	2020	609,794	609,794	1,387,591	**2,607,178**	609,794	1,387,591	**-777,798**

| Single Period, CV | Expanded Period, CV | Variance Periods, CV | Variance Scenarios, CV | Summary / Detail, SQL | Drill Down, SQL | Variance, SQL | Revenue, SQL | Account Detail, SQL |

ALL CUSTOMERS ▼   ALL REVENUE ACCOUNTS ▼   Post Year: 2020 ▼   Variance Months: 20-Feb ▼ vs. 20-Mar ▼

| Summary Revenue | Sales Order Detail |

Sales Order Detail

Preview

Customer Order Detail

Customer	Location	Order #	Tran#	Customer Event	Dinning	Lodging	Package	Class	Sub Account	Year	Jan	Feb	Mar	Total	20-Feb	20-Mar	Variance
Apple	Kenosha	O-3239	T-1040	Annual Conference	Bistro Maxine	The Hay-Adams	Full Monty	Category C	Food and Beverage	2020		550,909		550,909	550,909		550,909
Apple	Kenosha	O-3247	T-1048	Convention	Bistro Maxine	The Hay-Adams	Full Monty	Category C	Food and Beverage	2020			413,909	413,909		413,909	-413,909
Apple	Kenosha	O-3254	T-1055	Excecutive Conference	Bistro Maxine	The Hay-Adams	Full Monty	Category C	Food and Beverage	2020			702,690	702,690		702,690	-702,690
Apple	Kenosha	O-3232	T-1033	Private	Bistro Maxine	The Hay-Adams	Full Monty	Category C	Food and Beverage	2020	360,529			360,529			
											360,529	550,909	1,116,600	2,028,038	550,909	1,116,600	-565,690
AT&T	Montpelier	O-3231	T-1032	Share Holder's Meeting	Fringale Restaurant	Acqualina Resort	Main Event	Category C	Food and Beverage	2020	339,070			339,070			
AT&T	Montpelier	O-3237	T-1038	Divestiture	Fringale Restaurant	Montage Deer Valley	Girls Gone Wild	Category C	Food and Beverage	2020		39,070		39,070	39,070		39,070
AT&T	Montpelier	O-3244	T-1045	Overseas Dry Run	Gaspar Brasserie	The Langham	Full Monty	Category A	Food and Beverage	2020			78,715	78,715		78,715	-78,715
AT&T	Montpelier	O-3252	T-1053	Overseas Dry Run	Hoagies	Acqualina Resort	Person Non Grata	Category C	Food and Beverage	2020			432,487	432,487		432,487	-432,487
AT&T	Montpelier	O-3236	T-1037	Excecutive Conference	Hoagies	The Langham	Full Monty	Category A	T&E	2020		777,335		777,335	777,335		777,335
AT&T	Montpelier	O-3245	T-1046	Trade Show	Levure Bakery and Patisserie	Acqualina Resort	Main Event	Category C	Beds and Heads	2020			1,469,070	1,469,070		1,469,070	-1,469,070
AT&T	Montpelier	O-3253	T-1054	Excecutive Conference	The Savoy River Restaurant	Ceasars	Main Event	Category C	Beds and Heads	2020			3,224,896	3,224,896		3,224,896	-3,224,896
AT&T	Montpelier	O-3238	T-1039	Convention	The Savoy River Restaurant	Montage Deer Valley	Person Non Grata	Category C	Beds and Heads	2020		249,070		249,070	249,070		249,070
AT&T	Montpelier	O-3246	T-1047	Divestiture	The Savoy River Restaurant	MGM Grand	Main Event	Category C	T&E	2020			239,069	239,069		239,069	-239,069
AT&T	Montpelier	O-3251	T-1052	Hostile Take Over	Zinc Brasserie	Mandarin Oriental	Full Monty	Category A	Beds and Heads	2020			610,606	610,606		610,606	-610,606
AT&T	Montpelier	O-3230	T-1031	Hostile Take Over	Zinc Brasserie	MGM Grand	Full Monty	Category A	T&E	2020	478,715			478,715			
											817,785	1,065,474	6,054,843	7,938,102	1,065,474	6,054,843	-4,989,369
Berkshire Hathaway	Madison	O-3258	T-1059	Divestiture	Boulud Sud	The Peninsula Beverly Hills	Big Kahuna	Category C	Beds and Heads	2020			725,711	725,712		725,712	-725,712

OneStream Sales Order SQL Query: Report rendered by OneStream Studio in embedded Dashboards.

- The OneStream Summary Revenue Report returns a single summary Revenue row for All Customers, for Periods in the Year 2020 and Variance Periods 20-Feb vs. 20-Mar.
- The Sales Order Detail Report shares the data filter with the Summary Revenue Report. Selecting the Order Detail Tab essentially performs a single-click data drill-down.
- As Illustrated above, the Order Detail has many rows for All Customers, for Periods in the Year 2020 and Variance Periods 20-Feb vs. 20-Mar. The additional detail in rows and attribute columns provide Insight into the Feb vs. Mar Variance.

Account & Project Mapping Reports

Dept Proj Mapping JDE

Document Map

JDE_Project_ID
- 100
- 1000001
- 1000002
- 1000003
- 1000004
- 1000029
- 1000031
- 1000051
- 1000052
- 100006
- 1000063
- 1000064
- 1000068
- 1000069
- 1000071
- 1000074
- 1000075
- 1000076
- 1000086

| EPM | – | OneStream Studio BI Report - UD2 Project Mapping | | | | | 2/3/2019 5:43:05 PM |
| – | CPA | | | | | | |

Source Project	Description	Target Project	Flip Sign	Order	Rule Expression	Rule Type
100	Flint Suoer Project	100	False	0		1
1000001	Flint Project #1	100	False	0		1
1000002	Flint Project #2	100	False	0		1
1000003	Flint Project #3	100	False	0		1
1000004	Flint Project #4	100	False	0		1
1000029	Flint Project #29	100	False	0		1
1000031	Fint Project #31	100	False	0		1
1000051	Flint Project #51	100	False	0		1
1000052	Flint Project #52	100	False	0		1
100006	Wash Super Project	100006	False	0		1
1000063	Wash Project #63	100006	False	0		1
1000064	Wash Project #63	100006	False	0		1
1000068	Wash Project #63	100006	False	0		1

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SQL Query of OneStream Mapping. Report rendered by OneStream Studio in embedded Dashboards.

- Developed to provide insight into all mapping. Requested by subsidiary controllers to understand how their financials were mapped in OneStream.
- Primary benefit was to replace system admin static mapping exports to Excel. Realtime insight helped correct mapping errors and improve end user acceptance by non-corporate users.

Financial Close - Data Load Mapping Exception Report

OneStream Studio BI Report - Data Mapping Exceptions   2/1/2019 8:55

Source ERP Data Load							OneStream Mapped Data Load				
GL Date	ERP GL SQL Data	GL Object Account.Subsidiary	Business Unit	Trading Partner	OBS Code	Department / Project	Account	Entity	Trading Partner	UD1	UD2
1/12/2019	JDE	231010.KY	110A	None	A.AA.XXX	None	Missing	110A	None	A.AA.XXX	None
1/12/2019	JDE	4001111.NY	11000090A	None	A.AA.XXX	903A	GWB01	11000A	None	A.AA.XXX	Missing
1/13/2019	JDE	400111.ID	8000000001A	None	C.OC.CCC	100A	IWB01	Missing	None	C.OC.CCC	100A
1/13/2019	JDE	300001.CA	700A	None	S.IC.XXX	999A	Rev01	700A	None	Missing	999A
1/13/2019	JDE	300002.CA	8000001101A	None	S.IN.SSS		Rev01	Missing	None	S.IN.SSS	Missing

OneStream SQL Query joining OneStream Stage Source & Target Tables: Report rendered by OneStream Studio in embedded Dashboards.

- Provide all users with insight into overnight data load exceptions. I.e. Illustrated is the summary version that shows source data members that have no mapping in OneStream.
- The detail version shows individual records with balances that did not load. Proved to be very helpful to research GL issues.

Journal Entry Reports

OneStream Studio - Topside Journal Entry Audit Report

Month: 2019M1
Scenario: Actuals

Journal Name	Posted Time	Journal Description	Entity Name	Currency	Month	Account	Account Description	Account Type	Flow	Entity	OBS	Department Project	Journal Comment	Debit Amount	Credit Amount
JE1_ICE_Corp Topsides.Journ als_Actuals_20 19M1	11/28/2018 9:43:59 PM		300	USD	2019M1	ICAR01	Intercompany AR	Asset	None	300	A.AA.ZZZ	None	JE will create matching diff of $100 in Plug Account	1,000.00	0.00
JE1_ICE_Corp Topsides.Journ als_Actuals_20 19M1	11/28/2018 9:43:59 PM		500	USD	2019M1	ICAP01	Intercompany AP	Liability	None	500	A.AA.ZZZ	None	JE will create matching diff of $100 in Plug Account	0.00	1,100.00
JE1_ICE_Corp Topsides.Journ als_Actuals_20 19M1	11/28/2018 9:43:59 PM		300_ADJ	USD	2019M1	ICAR01	Intercompany AR	Asset	None	300_ADJ	A.AA.ZZZ	None	Manuel ICE. No Elims or matching occurs for ICE Trading Partner None	500.00	0.00
JE1_ICE_Corp Topsides.Journ als_Actuals_20 19M1	11/28/2018 9:43:59 PM		500_ADJ	USD	2019M1	ICAP01	Intercompany AP	Liability	None	500_ADJ	A.AA.ZZZ	None	Manuel ICE. No Elims or matching occurs for ICE Trading Partner None	0.00	600.00

OneStream SQL (Method) Query: Report rendered by OneStream Studio in embedded Dashboards.

- Multiple versions; internal / external (audit)
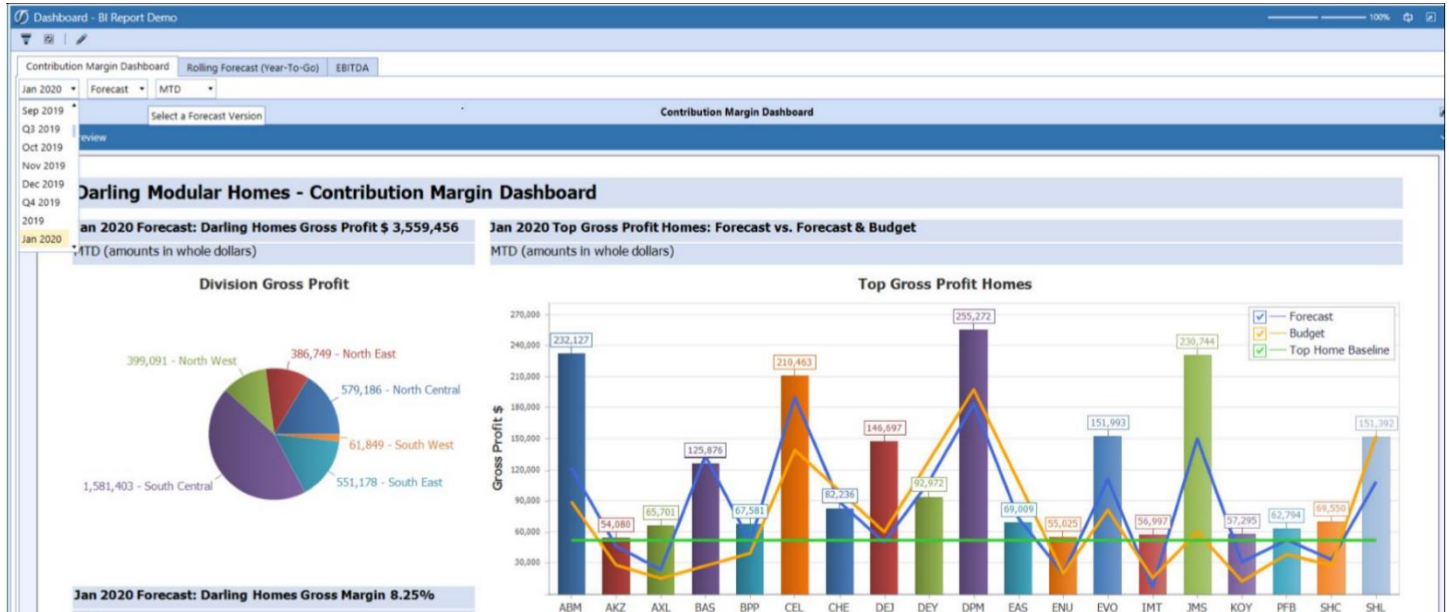
Intercompany Elimination Matching Reports

OneStream SQL (Method) Query: Report rendered by OneStream Studio in embedded Dashboards.

- Supplement the OneStream default report with an exception matching report. I.e. No records if all transactions are matched.
- Trading partners highlighted in amber.
- Differences highlighted in yellow.
- Document Bookmark navigation control enables uses to select page by Entity.

BI Contribution Margin Report Package

South Central - Top Gross Profit Homes: Actuals vs. Forecast & Budget

Jan 2020: South Central Actuals Gross Profit $ **$1,581,403**
Periodic (amounts in whole dollars)

Jan 2020: South Central Periodic Gross Profit $

Home Model	Actuals Rank	Actuals	Forecast	Fcst Fav \ Unfav Variance	Budget	Bud Fav \ Unfav Variance		
DPM	1	242,683	198,648	44,034	182,342	60,340		
CEL	2	210,463	189,681	20,782	139,099	71,364		
ABM	3	173,990	121,992	51,998	89,461	84,529		
EVO	4	151,993	110,693	41,301	81,175	70,819		
SHL	5	151,392	208,504	-57,112	152,903	-1,511		
BAS	6	120,824	128,732	-7,907	94,403	26,421		
CHE	7	82,236	88,958	-6,722	65,236	17,001		
PFB	8	62,794	52,391	10,403	38,420	24,374		
LIO	9	51,743	61,908	-10,165	45,399	6,344		
GEL	10	51,029	65,000	-13,971	50,000	1,029		
KIL	11	48,725	20,000	28,725	20,000	28,725		
INT	12	45,973	51,047	-5,074	42,127	3,846		
SAN	13	41,812	15,000	26,812	30,000	11,812		
FMF	14	41,349	35,759	5,590	26,223	15,126		
BPP	15	32,723	19,751	12,973	14,484	18,239		
DEN	16	31,180	19,341	11,839	14,183	16,997		
TXE	17	31,094	38,891	-7,797	28,520	2,574		

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OneStream Studio Report Package: SQL and OneStream Cube View data integration.

1. Darling Modular Homes Total Margin $ & %
   - Top Margin $ Modular Homes
2. South Central Division
   - Chart - All projects exceeding baseline Gross Profit
   - Variance Report – All South Central Projects Ranked by Actuals Gross Profit $.