

DSS 201 Intermediate Decision Support System

E-Learning Module 1: Creating Custom Queries

DSS 201



COURSE OBJECTIVES: Participants will be able to

Module 1: Creating Custom Queries

- Understand icons and naming conventions within the DSS environment
- Understand how to create a new Web Intelligence Report
- Save report data
- Create subfolders to organize reports

Module 2:

Editing Custom Queries

 Learn how to edit a custom Web Intelligence Report

Module 3: Multiple Data Providers and Merging Universes

Utilize multiple data providers

Module 4: filizing Report Data

- Learn how to create a graphical representation of report data
- Send and receive reports via the DSS inbox

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Getting Started





Web Intelligence (Webi)

- Software Application used to produce reports from a data universe (**)
 - The universe maps data components to data objects
 - The universe contains dimensions, details, and measures that are combined using a query
 - The query generates a document containing one or more reports

Web Intelligence (Webi)

What are objects?

 Dimension objects () are qualitative data and are non-mathematical



• For example, Generator Name and Generator PTID are dimensions

What are details/attributes?

 A detail object (

) is always associated to one dimension object, on which it provides additional information





Web Intelligence (Webi)

• What is a measure?

- Measures () are numerical data values that mathematical functions can be applied
 - For example, a settlement revenue is a measure because you can find out a total or average the data

Day DAM Energy Stlmnt: Gen (\$)

Day DAM Loss StImnt: Gen (\$)

Day DAM Cong StImnt: Gen (\$)

Day Total DAM Stlmnt: Gen (\$)



Data Flow in DSS

Example: Time Granularity



Creating Custom Queries



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FOR TRAINING PURPOSES ONLY

DSS Home Page



• Home • Admin Page	Current User: train01	
Last Successful Update Time	Customer Settlements Data Mart	
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• Enter New Request	Accounting and Billing Manual Billing Reference Documents	
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Data Manager



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Data Manager Consists of data

object measures and dimensions to build query

Results Objects Pane



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Results Objects Pane

- Data objects are brought into this pane for desired report results
 - Drag and drop or double click objects into Report Objects Pane

Query Filters Pane





Query Filters Pane

- Apply Filters and/or Prompts to capture a specific data set (and to narrow search results)
- Drag and drop or double click filters and/or prompts into the Query Filters Pane

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Run Query





Review Report Results

Organization4379

Organization4379



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GenBilling366810

GenBilling66738

- Body of report results will contain columns that are in direct relationship to the data objects selected
- Data within those columns will be informational, *i.e.*, dollar values, names, zones, MW values, etc.

302.88

30,402.30

01/31/2015

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Saving Custom Query Reports



Saving Documents



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- To save a report, select the save icon or the drop down arrow located next to the save icon above Data Manager
- There are two Save options
 - **'Save**' will save the report in its current view
 - 'Save As' will prompt the user to save the report to their Favorites folder in Info View



Locate Saved Report



- To locate the saved report in Favorites, select Document List icon
- Next, select My Favorites folder, located in the left panel



Renaming Reports

- To rename a report, right click over report tab
- Highlight the existing report name on the properties tab or report tab and type in the new name
- Hit enter and the new name will appear

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Supporting Documentation





Business Objects Supporting Documentation

- SAP Business Objects Business Intelligence Users Guide Suite 4.0 (Free Download: <u>http://help.sap.com/bobip</u>)
- Successful Business Intelligence: Unlock the Value of BI and Big Data (by Cindi Howson (Hardcover – Oct 2013)
- SAP Business Objects Web Intelligence by Jim Brogden, Heather Sinkwitz, Dallas Marks and Gabriel Orthous (Hardcover – Oct 2014)
- SAP BusinessObjects BI 4.0 Third Edition by Cindy Howson and Elizabeth Newbould (Paperback – 2012)
- SAP BusinessObjects Web Intelligence 4.1 Training Course by Shakil Ahmed (Paperback – 2014)



DSS 201 Intermediate Decision Support System

E-Learning Module 2: Editing Custom Queries

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Editing Custom Queries





Getting Started

- You may edit your existing query, run it, and add the new data objects into:
 - the existing report
 - a duplicate report
- You may duplicate your existing query and edit the query duplicate, run it, and add the new data objects into:
 - the existing report
 - a duplicate report

Modify an existing report



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Adding Additional Data Objects



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Reminder: Design View [Edit Mode]



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Updating Report Results

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FOR TRAINING PURPOSES ONLY
Formatting



Design View





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Modify an existing report



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Org Name	Gen Name			Interval Sta	irt D	Day	Total DAM	
Organization1017822	GenBilling6	6728		01/31/2015			0.00	
Organization1017822	GenBilling6	7324		01/31/2015		0.00		
Organization1017822	GenBilling6	7439		01/31/2015			0.00	
Organization1017822	GenBilling6	7440		01/31/2015			0.00	
Organization4379	GenBilling3	dť	0	it.	Ctrl	τY	302.88	
Organization4379	GenBilling6		C	ру	Ctrl	+C 3	0,402.30	
Organization4379	GenBilling6		Pa	iste	Ctrl	+V 6	7,319.01	
Organization4379	GenBilling6		In	sert		•	0.00	
Organization6851	GenBilling6	×	De	elete		34	4,603.20	
Organization6851	GenBilling6	+1+	M	erge		7	0,930.76	
Organization6851	GenBilling6		C	ear Contents			0.00	
Organization7630	GenBilling3		Тι	ırn Into		•	247.35	
Organization7630	GenBilling3		Те	ext		•	477.30	
Organization7630	GenBilling6		Fo	ormat Cell			-912.66	
Organization7962	GenBilling6	6722		01/31/2015			0.00	
Organization7962	GenBilling6	6774		01/31/2015			0,804.78	
Organization7962	GenBilling6	7307		01/31/2015			0.00	
Organization7962	GenBilling6	7316		01/31/2015			0.00	

You can modify columns by right clicking on a cell within the column much like working in Excel

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Setting Sections



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	<	N	ay Total Ba	Day BalMkt C D	Day BalMkt L	Day BalMkt E	ay Total DA	Org Name I	C Gen Name	Interval Start	 Day Total BalMkt Stimnt: Gen (\$ Day Total DAM Stimnt: Gen (\$
	6	43	-59.37	-14.88	-0.57	-43.92	302.88	Organization4	GenBilling366810	01/31/2015	Variables
			174.96	30.96	-8.10	152.10	247.35	Organization7	GenBilling366813	01/31/2015	
			-265.95	-37.65	13.35	-241.65	477.30	Organization7	GenBilling366904	01/31/2015	
			497,699.79	236,541.00	23,946.21	237,212.58	0.00	Organization7	GenBilling66722	01/31/2015	
			0.00	0.00	0.00	0.00	0.00	Organization1	GenBilling66728	01/31/2015	
			10,227.75	2,977.83	132.36	7,117.56	30,402.30	Organization4	GenBilling66738	01/31/2015	
			13,473.30	1,557.00	-1,001.58	12,917.88	90,804.78	Organization7	GenBilling66774	01/31/2015	
			-17,619.00	-10, 198.56	-653.55	-6,766.89	67,319.01	Organization4	GenBilling66855	01/31/2015	
			-2,026.20	-197.04	92.25	-1,921.41	-912.66	Organization7	GenBilling66977	01/31/2015	
			-646.62	-185.82	0.33	-461.13	34,603.20	Organization€	GenBilling67197	01/31/2015	
			-87,993.27	-49,261.05	-3,584.10	-35,148.12	170,930.76	Organization6	GenBilling67221	01/31/2015	
			0.00	0.00	0.00	0.00	0.00	Organization6	GenBilling67236	01/31/2015	
			0.00	0.00	0.00	0.00	0.00	Organization7	GenBilling67307	01/31/2015	
			0.00	0.00	0.00	0.00	0.00	Organization7	GenBilling67316	01/31/2015	
			0.00	0.00	0.00	0.00	0.00	Organization 1	GenBilling67324	01/31/2015	
			0.00	0.00	0.00	0.00	0.00	Organization4	GenBilling67357	01/31/2015	
A			0.00								
()			0.00	0.00	0.00	0.00	0.00	Organization1	GenBilling67439	01/31/2015	

FOR TRAINING PURPOSES ONLY

Inserting Breaks



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4	Day Total BalMkt Stimnt: Gen (\$) Day Total DAM Stimnt: Gen (\$)	Interval Start D	Gen Name	Org Name	Day Total DA	Day BalMikt E	Day BalMkt L	Day BalMikt C	Day Total Ba		
1	Variables	01/31/2015	GenBilling366810	Organization4	302.88	-43.92	-0.57	-14.88	-59.37		
5	E References	01/31/2015	GenBilling366813	Organization7	247.35	152.10	-8.10	30.96	174.96		
21		01/31/2015	GenBilling366904	Organization7	477.30	-241.65	13.35	-37.65	-265.95		
2		01/31/2015	GenBilling66722	Organization7	0.00	237,212.58	23,946.21	236,541.00	497,699.79		
		01/31/2015	GenBilling66728	Organization1	0.00	0.00	0.00	0.00	0.00		
		01/31/2015	GenBilling66738	Organization4	30,402.30	7,117.56	132,36	2,977.83	10,227.75		
		01/31/2015	GenBilling66774	Organization7	90,804.78	12,917.88	-1,001.58	1,557.00	13,473.30		
		01/31/2015	GenBilling66855	Organization4	67,319.01	-6,766.89	-653.55	-10, 198.56	-17,619.00		
		01/31/2015	GenBilling66977	Organization7	-912.66	-1,921.41	92.25	-197.04	-2,026.20		
		01/31/2015	GenBilling67197	Organization6	34,603.20	-461.13	0.33	-185.82	-646.62		
		01/31/2015	GenBilling67221	Organization6	170,930.76	-35,148.12	-3,584.10	-49,261.05	-87,993.27		
		01/31/2015	GenBilling67236	Organization6	0.00	0.00	0.00	0.00	0.00		
		01/31/2015	GenBilling67307	Organization7	0.00	0.00	0.00	0.00	0.00		
		01/31/2015	GenBilling67316	Organization7	0.00	0.00	0.00	0.00	0.00		
		01/31/2015	GenBilling67324	Organization1	0.00	0.00	0.00	0.00	0.00		
		01/31/2015	GenBilling67357	Organization4	0.00	0.00	0.00	0.00	0.00		
		040040045	GenBilling67430	Organization1	0.00	0.00	0.00	0.00	0.00		
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Using Sections and Breaks



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	ixan	nple 4 Task 1 LSE			Example 4									
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4		Copy	Ctrl+C		LSE Name	Start Day (Eastern)	Day lotal DAM Stimn - LSE (\$)	Set a S	ection and	Insert	Stimnt - LSE (\$)			
	-13	Insert	•	n1017822	LS8282	01/01/2015			Breaks		-2,995.18			
	×	Delete		n1017822	LS8282	01/02/2015	0	.00 -1,373.3	-2,081.94	-206.72	-3,662.00			
E	212	Merge Clear Conter	ts	n1017822	LS8282	01/03/2015	0	.00 -17.0	-2,997.22	-267.94	-3,282.16			
4	5	Set as sectio	n	n1017822	LS8282	01/04/2015	0	.00 -569.8	-2,259.78	-206.02	-3,035.62			
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		Edit Formula		n1017822	LS8282	01/06/2015	0	.00 -3,084.5	54 -5,683.50	-518.24	-9,286.28			
	-	Unking		n1017822	LS8282	01/07/2015	0	.00 -9,594.7	70 -4,097.40	-381.68	-14,073.78			
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1	Y	Filter	•	n1017822	LS8282	01/09/2015	0	.00 -6,475.4	48 -603.04	-63.88	-7,142.40			
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Another way to do the same thing

Example 2

	K	Cut		Ctrl+X	terval	
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Org Name	ľ.	Paste		Ctrl+V	astern)	
Organizatior		Insert		•	1/01/2015	
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Organization	-	Break		•	1/03/2015	
Organization		Hide		•	1/04/2015	
Organizatior		Formatt	ing Rules	•	1/05/2015	
Organizatior		Text		+	1/06/2015	
Organizatior		Format	Cell		1/07/2015	
Organization	1029	25/16	1 59702		1/08/2015	

Format Cell...

Using Variables and Formulas



Report Data – Using Variables



	File Properties	R	eport Elements	Formatting	Data Access	Analy	Create Variable Insert Formulas				
	Image: Properties Image: Properties <th></th> <th>ata Providers dit ¥ Purge ▼</th> <th>Refresh •</th> <th>Data Access Data Object</th> <th>Analy ts able •</th> <th colspan="5">Definition Name: Type: Recalc Total BalMkt Stlmnt \$ Undefined Qualification: Image: Comparison of the state of th</th>		ata Providers dit ¥ Purge ▼	Refresh •	Data Access Data Object	Analy ts able •	Definition Name: Type: Recalc Total BalMkt Stlmnt \$ Undefined Qualification: Image: Comparison of the state of th				
(?)	 Ørg Name Ørg Name Day BalMkt Cong Stimnt - LSE (\$) Day BalMkt Energy Stimnt - LSE (\$) Day BalMkt Loss Stimnt - LSE (\$) 	\$)	Organization1017822				Available Objects Available Functions Available Operators Interval Start Day (Eas Aggregate Interval Start Day (Eas LSE Name LSE Name Count				
	Day Total BalMkt Stimnt - LSE (\$) Day Total DAM Stimnt - LSE (\$) Variables		Interval Start Day LSE Name (Eastern	Interval Start Day (Eastern)	Day Total DAM Stimnt - LSE (\$)	t -	Image: Count Values Image: Day BalMkt Cong Stim First Image: Day BalMkt Energy Stim Interpolation Image: Day BalMkt Loss Stim Max Image: Day Total BalMkt Stim Median Image: Day Total DAM Stim <tt< td=""> Min</tt<>				
			LS8282	01/01/2015		0.00	Variables Mode All And Percentage Percentile Variables And Before				
				01/02/2015		0.00	Description				
				01/03/2015		0.00	Day BalMkt Loss Stimnt - LSE (\$)				
				01/04/2015		0.00	determined amount of a LSE's balancing energy market loss component settlement				
				01/05/2015		0.00	OK Cancel				

Report Data – Using Variables



Type here to filter tree								
 Example 2 Interval Start Day (Eastern) LSE Name Org Name Day BalMkt Cong Stlmnt - LSE (\$) Day BalMkt Energy Stlmnt - LSE (\$) Day BalMkt Loss Stlmnt - LSE (\$)) Organiza	<u>E</u> ation10178	<u>Example 2 (</u>	<u>3)</u>				
□ Day Total BalMkt Stimnt - LSE (\$) □ Day Total DAM Stimnt - LSE (\$) □ ➢ Variables □ Recalc Total BalMkt Stimnt \$	LSE Name	Interval Start Day (Eastern)	Day Total DAM Stimnt - LSE (\$)	Day BalMkt Cong Stimnt - LSE (\$)	Day BalMkt Energy Stimnt - LSE (\$)	Day BalMkt Loss Stimnt - LSE (\$)	Day Total BalMkt Stimnt - LSE (\$)	Recalc Total BalMkt Stimnt \$
	LS8282	01/01/2015	0.00	-1,714.56	-1,171.74	-108.88	-2,995.1	-2,995.18
g the newly added		01/02/2015	0.00	-1,373.34	-2,081.94	-206.72	-3,662.0	-3,662
ble objects into the		01/03/2015	0.00	-17.00	-2,997.22	-267.94	-3,282.1	-3,282.16
report		01/04/2015	0.00	-569.82	-2,259.78	-206.02	-3,035.6	-3,035.62
'		01/05/2015	0.00	-736.80	-3,174.08	-300.06	-4,210.9	-4,210.94
		01/06/2015	0.00	-3,084.54	-5,683.50	-518.24	-9,286.2	-9,286.28
		01/07/2015	0.00	-9,594.70	-4,097.40	-381.68	-14,073.7	-14,073.78
		01/08/2015	0.00	-3,268.26	-5,097.80	-493.64	-8,859.7	-8,859.7
		01/09/2015	0.00	-6,475.48	-603.04	-63.88	-7,142.4	-7,142.4
		01/10/2015	0.00	-5,880.48	-2,753.98	-290.26	-8,924.7	-8,924.72
	L \$8282					SUM	-65.472.7	



Using Formula Line (f_x)

Select a cell and insert text or formulas in the formula line, similar to Excel



Organization1017822

LSE Name	Interval Start Day (Eastern)	Day Total DAM Stimnt - LSE (\$)	Day BalMkt Cong Stimnt - LSE (\$)	Day BalMkt Energy Stimnt - LSE (\$)	Day BalMkt Loss Stimnt - LSE (\$)	Day Total BalMkt Stimnt - LSE (\$)
LS8282	01/01/2015	0.00	-1,714.56	-1,171.74	-108.88	-2,995.18
	01/02/2015	0.00	-1,373.34	-2,081.94	-206.72	-3,662.00
	01/03/2015	0.00	-17.00	-2,997.22	-267.94	-3,282.16
	01/04/2015	0.00	-569.82	-2,259.78	-206.02	-3,035.62
	01/05/2015	0.00	-736.80	-3,174.08	-300.06	-4,210.94
	01/06/2015	0.00	-3,084.54	-5,683.50	-518.24	-9,286.28
	01/07/2015	0.00	-9,594.70	-4,097,40	-381.68	-14,073.78
	01/08/2015	0.00	-3,268.26	-5,097.80	-493.64	-8,859.70
	01/09/2015	0.00	-6,475.48	-603.04	-63.88	-7,142.40
	01/10/2015	0.00	-5,880.48	-2,753.98	-290.26	-8,924.72
L\$8282				1	SUN Q	-65,472.78





DSS 201 Intermediate Decision Support System

E-Learning Module 3: Multiple Data Providers and Merging Universes

DSS 201



COURSE OBJECTIVES: Participants will be able to

Module 1: Creating Custom Queries

- Understand icons and naming conventions within the DSS environment
- Understand how to create a new Web Intelligence Report
- Save report data
- Create subfolders to organize reports

Module 2: Editing Custom Queries

• Learn how to edit a custom Web Intelligence Report Module 3: Multiple Data Providers and Merging Universes

• Utilize multiple data providers

Module 4: Utilizing Report Data

- Learn how to create a graphical representation of report data
- Send and receive reports via the DSS inbox

DSS 201



COURSE OBJECTIVES: Participants will be able to

Module 1: Creating Custom Queries

- Understand icons and naming conventions within the DSS environment
- Understand how to create a new Web Intelligence Report
- Save report data
- Create subfolders to organize reports

Module 2: Editing Custom Queries

• Learn how to edit a custom Web Intelligence Report Module 3: Multiple Data Providers and Merging Universes

• Utilize multiple data providers

Module 4: Utilizing Report Data

- Learn how to create a graphical representation of report data
- Send and receive reports via the DSS inbox

Multiple Data Providers and Merging Universes



Getting Started



- Obtain data from two or more different Universes and bring data into the same report in one of three ways:
 - Add data to a separate tab in the report
 - Create a second table for the data within the report
 - Bring the data into the same table within the report
- Also known as using 'Multiple Data Providers'

Examples

- Incorporating data from both Load and Load-Ancillary Service Universes into one report
- Incorporating data from both Power Supplier and Transaction Universes into one report



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Day Sched 1 Withdrawal: LSE (MW)	Organization1 LS8282	01/31/2015 0.00		
Day Total DAM Stimnt - LSE (\$) Variables	Organization1 LS8702	01/31/2015 -23,487.12		
Carlos References	Organization1 LS8708	01/31/2015 -188,856.48		
	Organization4 LS7994	01/31/2015 -3,562,781.79		
	Organization4 LS8020	01/31/2015 0.00		
	Organization4 LS8059	01/31/2015 0.00		
	Organization4 LS8154	01/31/2015 0.00		
	Organization4 LS8161	01/31/2015 0.00		
	Organization4 LS8220	01/31/2015 0.00		
	Organization6 LS7993	01/31/2015 -6,652,562.70		
	Organization7 LS8714	01/31/2015 -17,362.23		
	Organization7 LS8164	01/31/2015 0.00		
	Organization7 LS8275	01/31/2015 0.00		
	Organization7 LS8306	01/31/2015 0.00		
	Organization7 LS8307	01/31/2015 0.00		4 F
	Organization7 LS8321	01/31/2015 0.00		*
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Option #1 creates a new report tab with the new data from the second Universe







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	Org Name (Query 1)											
	 Day OATT Sched 1 WD Stimt: LSE (Org Name	LSE Name	Interval Start	Day Total DAM Stimnt - LS	Org Name	LSE Name	Interval Start	Day OATT Sc	Day Sched 1 Withdra Day	RT LSE Load (
	Day Sched 1 Withdrawal: LSE (MW)	Organization1	LS8282	01/31/2015	0.00	Organization1	LS8282	01/31/2015	0.00	0.0000	0.0000	
	Variables	Organization1	LS8702	01/31/2015	-23,487.12	Organization1	LS8283	01/31/2015	0.00	0.0000	0.0000	
-	E References	Organization1	LS8708	01/31/2015	-188,856.48	Organization1	LS8284	01/31/2015	0.00	0.0000	0.0000	
	-	Organization4	LS7994	01/31/2015	-3,562,781.79	Organization1	LS8529	01/31/2015	0.00	0.0000	0.0000	
		Organization4	LS8020	01/31/2015	0.00	Organization1	LS8576	01/31/2015	0.00	0.0000	0.0000	
on #	2 creates a	Organization4	LS8059	01/31/2015	0.00	Organization1	LS8702	01/31/2015	-100.43	143.6486	143.6486	
$0 \Pi \pi$	-z creates a	Organization4	LS8154	01/31/2015	0.00	Organization1	LS8708	01/31/2015	-652.17	932.8385	932.8385	
ond t	table within	Organization4	LS8161	01/31/2015	0.00	Organization4	LS339512	01/31/2015	0.00	0.0000	0.0000	
		Organization4	LS8220	01/31/2015	0.00	Organization4	LS7994	01/31/2015	-17,849.96	25,532.0448	25,532.0448	
e sar	me report.	Organization6	LS7993	01/31/2015	-6,652,562.70	Organization4	LS8019	01/31/2015	0.00	0.0000	0.0000	
	on the same	Organization7	LS8714	01/31/2015	-17,362.23	Organization4	LS8020	01/31/2015	0.00	0.0000	0.0000	
		Organization7	LS8164	01/31/2015	0.00	Organization4	LS8021	01/31/2015	0.00	0.0000	0.0000	
in t	wo separate	Organization7	LS8275	01/31/2015	0.00	Organization4	LS8059	01/31/2015	0.00	0.0000	0.0000	
		Organization7	LS8306	01/31/2015	0.00	Organization4	LS8064	01/31/2015	0.00	0.0000	0.0000	-
ta	ibles.	Organization7	LS8307	01/31/2015	0.00	Organization4	LS8068	01/31/2015	0.00	0.0000	0.0000	4
		Organization7	I S8321	01/31/2015	0.00	Organization4	LS8153	01/31/2015	0.00	0.0000	0.0000	—
		organization/										

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- You must <u>merge the</u> <u>dimensions first in</u> the data manager in order to pull them into the table and to have accurate data values.
- Some data objects from a particular Universe may not be compatible to be pulled into the report.

tome Documents LSE Example 1 🕫 🗢 😳				Contract Street Contract Contr	
File Properties Report I	Bements Formatting Data Ac	cess Analysis	Page Setup		Reading - Design - 🕡
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B G LSE Example 1 Interval Start Day (Eastern) (Query 1) Interval Start Day (Eastern) (Query 2) LSE Name (Query 1) LSE Name (Query 2) Org Name (Query 2)		LSE I	Example 1		
- Day OATT Sched 1 WD Stimt: LSE (\$)	Org Name LSE Name	Interval Start	Day Total DAM Stime		
 Day RT LSE Load (MWh) Day Sched 1 Withdrawal: LSE (MW) 	Organization1 LS8282	01/31/2015	0.00	13	
Day Total DAM Stimnt - LSE (\$) Variables	Organization1 LS8702	01/31/2015	-23,487.12		
References	Organization1 LS8708	01/31/2015	-188,856.48		
2	Organization4 LS7994	01/31/2015	-3,562,781.79		
	Organization4 LS8020	01/31/2015	0.00		
	Organization4 LS8059	01/31/2015	0.00		
	Organization4 LS8154	01/31/2015	0.00		
	Organization4 LS8161	01/31/2015	0.00		
	Organization4 LS8220	01/31/2015	0.00		
	Organization6 LS7993	01/31/2015	-6,652,562.70		
	Organization7 LS8714	01/31/2015	-17,362.23		
	Organization7 LS8164	01/31/2015	0.00		
	Organization7 LS8275	01/31/2015	0.00		
	Organization7 LS8306	01/31/2015	0.00		
	Organization7 LS8307	01/31/2015	0.00		
	Organization7 LS8321	01/31/2015	0.00		*
Arranged by Alphabetic order	C ISE Example 1				>

Option #3 requires you to manually drag and drop the data objects into the original report table so that all data from each Universe is in a single table.



DSS 201 Intermediate Decision Support System

E-Learning Module 4: Utilizing Report Data

DSS 201



COURSE OBJECTIVES: Participants will be able to

Module 1: Creating Custom Queries

- Understand icons and naming conventions within the DSS environment
- Understand how to create a new Web Intelligence Report
- Save report data
- Create subfolders to organize reports

Module 2: Editing Custom Queries

• Learn how to edit a custom Web Intelligence Report Module 3: Multiple Data Providers and Merging Universes

• Utilize multiple data providers

Module 4: Utilizing Report Data

- Learn how to create a graphical representation of report data
- Send and receive reports via the DSS inbox

Save report data Create subfolders to organize reports

Web Intelligence Report

environment

Module 2: Editing Cust<u>om Queries</u>

COURSE OBJECTIVES: Participants will be able to

• Learn how to edit a custom Web Intelligence Report Module 3: Multiple Data Providers and Merging Universes

• Utilize multiple data providers

Module 4: Itilizing Report Data

- Learn how to create a graphical representation of report data
- Send and receive reports via the DSS inbox



DSS 201

Module 1:

Creating Custom Queries

• Understand icons and naming

Understand how to create a new

conventions within the DSS

Charts & Graphs



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Column Chart



Organizatio	n4379							
Gen Name	Interval Start Day (Eastern)	Day Total DAM Stimnt: Gen (\$)	Day Total BalMkt Stimnt: Gen (\$)					
GenBilling366810	01/01/2015	233.36	33.04	4				
	01/02/2015	242.24	-74.72	2				
	01/03/2015	215.60	-1,014.48					
	01/04/2015	186.88	152.08	3				
	01/05/2015	336.72	379.	K	Cut	Ctrl+X		
GenBilling366810				È	Сору	Ctrl+C		
				B	Paste	Ctrl+V		
Gen Name	Interval Start Day (Eastern)	Day Total DAM Stimnt: Gen (\$)	Day Total BalMkt Stimnt: Gen (\$)	~	Insert	•		
GenBilling66738	01/01/2015	53,885.32	17,824.	_	Contents			
	01/02/2015	55,951.64	23,983.		Turn Into	•	▦	Horizontal Table
	01/03/2015	49,753.60	30,588.		Text	•	Ē	Cross Table
	01/04/2015	43,102.92	30,477.	_	Format Cell		Ш	Column Chart
	01/05/2015	77,731.72	35,147.28	в	Г	0	∞.	Line Chart
GenBilling66738						2	ີ ‴ີ 1	Pie Chart
					-			More Transformations
Gen Name	Interval Start Day (Eastern)	Day Total DAM Stimnt: Gen (\$)	Day Total BalMkt Stimnt: Gen (\$)					
GenBilling66855	01/01/2015	31,670.40	2,726.28	в				
	01/02/2015	30,565.20	2,216.72					
	01/03/2015	26,951.20	3,709.96					
	01/04/2015	25,146.44	982.84	4				
	01/05/2015	46,039.84	2,286.56	6				
GenBilling66855								

Report data can be displayed in a graphical form such as a bar graph



Stacked Bar Graph







Pie Chart





Exporting Data



Exporting Report Data



Web Intelligence	- 🗋 🧭 🛛	🛛 • 📇 (n 🌮 🛃	5 • 🖂 •	5	2 æ	•	🔀 Track 👻 Ţ Drill 🕚	🔹 🏹 Filter Bar	Freeze 🔻 🖻 Outline
Navigation Map *			E	Export Export to my o PDF, Excel or (computer CSV form	r in nat	≯	Export Document As		
PS Example 1								Export Current Report As	PDF	
Org Name	Gen Name	Interval Start Day (Eastern)	Day Total DAM Stimnt: Gen (\$)					Export Data to CSV	Excel 2007 Excel CSV Archive	
Organization1017822	GenBilling66728	01/31/2015	0.0	00			L		Text	1
Organization1017822	GenBilling67324	01/31/2015	0.0	00						
Organization1017822	GenBilling67439	01/31/2015	0.0	00						
Organization1017822	GenBilling67440	01/31/2015	0.0	00						
Organization4379	GenBilling366810	01/31/2015	302.8	38						
Organization4379	GenBilling66738	01/31/2015	30,402.3	30						
Organization4379	GenBilling66855	01/31/2015	67,319.0	01						
Organization4379	GenBilling67357	01/31/2015	0.0	00						
Organization6851	GenBilling67197	01/31/2015	34,603.2	20						
Organization6851	GenBilling67221	01/31/2015	170,930.7	76						
Organization6851	GenBilling67236	01/31/2015	0.0	00						

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Sending/ Receiving Data



Sending Data via DSS



Last Successful Update Time								
Customer Settlements Last Successful Update Time: Aug 21, 2015 4:29:00 AM	Send To							
Public Market Data Last Successful Update Time:	Documents Available to Send	Р	Potential Document Recipients					
You have no ADD Requests.	Docs		User Id	Name		~		
Navigation	O Power Suppliers Example	(train01	train train				
Navigation	7	[train02	train train				
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Admin Page		Γ	train04	train train				
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]	train06	train train				
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O Enter New Request		Lleare can cond D	CC roporto b			Send		
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Receiving Data via DSS



	-150 De	ecision	Support System		Wel	come: stegmke1				
	Home Documents									
	View View Organize More Actions Details									
	My Documents		Title	Received On 👻	From	Туре				
	😳 My Favorites	1	Summary Exercise (from train07) : 24520	Apr 5, 2016 2:02 PM	Security Admin	Web Intelligence				
,	Personal Categories You can locate reports sent to you by going to your Inbox in the 'My Documents' section									

Scheduling Data


Scheduling



Welcome: stegmke1 Applications Preferences Help menu Log off														
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View • New • Organize • More Actions • Details														
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🖿 LSE Hrly	Sch	edule												
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	Schedu	Iling		Now Once Hourly			Independent System Opera
	Schedule – Scheduled Report			Daily Weekly			? ⊒×
1	 Schedule Instance Title Recurrence Formats Caching Events Scheduling Server Group 	Recurrence Run object: Daily Object will run once ev Days(N) = 1 Start Date/Time: 12 End Date/Time: 11	ery N days.	Nth Day of M 1st Monday of Last Day of M X Day of Nth Calendar	onth if Month Ionth Week of the Month		
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					3	SE Data SE Hrly S Data	
							Schedule

Γ

Questions?

For any future assistance, please contact NYISO Stakeholder Services at <u>stakeholder_services@nyiso.com</u> or by phone at (518) 356-6060



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