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Slide notes: We will now have a look at the Data Stream Tag template. This Tag template may be used with Document Writer as well as the iesMobile Web Writer, and a maximum of 9 Data Stream tags are allowed per document.

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	11 1	Numeric result, GL, multi rule - use with Ledger only, based on multi select rule	
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		Unit call, ikeys multi rule - use for Unit call based on multi rule selection of keys, any data source Unit call, ikeys single rule, GL - use for Unit call based on single rule selection of keys, only GL Ledger	
		Unit call, ikeys double rule, GL - use for Unit call based on double rule selection of keys, only GL Ledger Unit dependent tag - use for Unit dependent tags, i.e. those following the call tag, on the same line	
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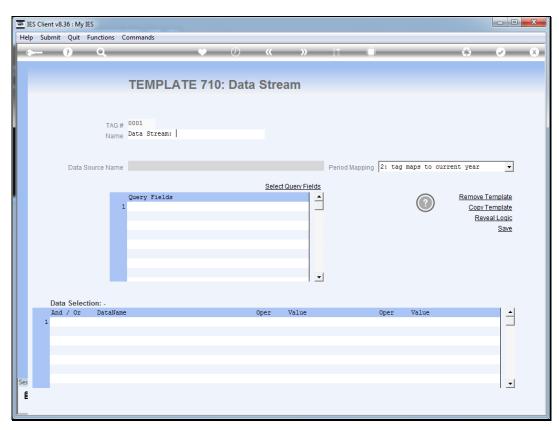


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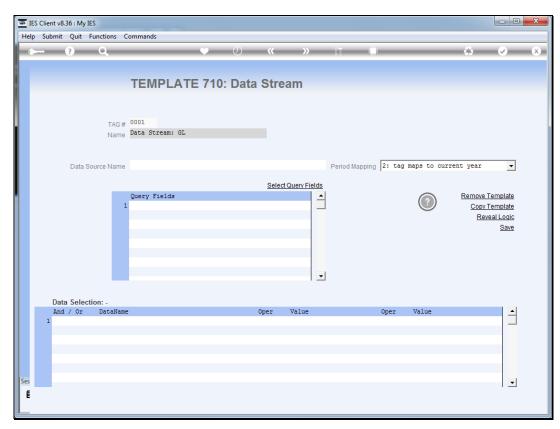
Slide notes: What is the Data Stream Tag for? A Data Stream provides a result of up to 250,000 data records and any number of fields within those records, and provides this result to the tag. The data may then be subjected to logic with Java Script and used in the document in a desired manner.





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Slide notes: A Data Stream must be based on a defined data source, and this is subject to normal Query Builder rules. In other words, the User who performs the document and therefore the Data Stream, must have access to query the file. In the case of iesMobile, this requires a Username for iesMobile that is the same as a standard IES Username, and for which User there is an access profile that allows access to query the file used as the data source, OR, that there be a swap out User registered for the iesMobile User, for Data Stream access.



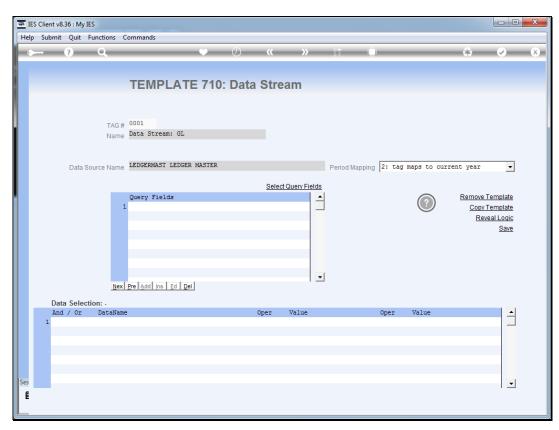


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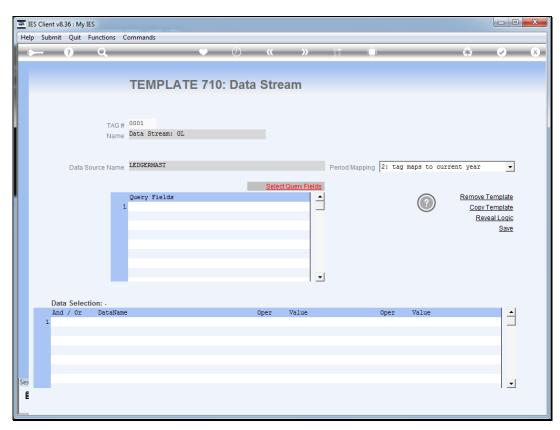


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3	Fixed Asset Register	ATMAST	Asset Master.		
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5	Fixed Asset Register	ATPARAMS	Asset Item Financial Values.		
6	General Ledger	ACTIVPOS	Activity Flags.		
7	General Ledger	BSPOS	Balance Sheet Flags.		
8	General Ledger	COSTPOS DEPTPOS	Cost Centre Flags.		
	General Ledger General Ledger	ISPOS	Department Flags. P&L (Income Statem) Flags.		
	General Ledger	LEDGERMAST	Ledger Master.		
	General Ledger	ODDSPOS	Master Accounts (Ledger).		
	General Ledger	OTHER1POS	Groups Flags.		
	General Ledger	OTHER2POS	Analysis Flags.		
	General Ledger	SUPERPOS	Super Accounts (Ledger).		
	General Ledger	TRIALBROS	Trial Balance Flags.		
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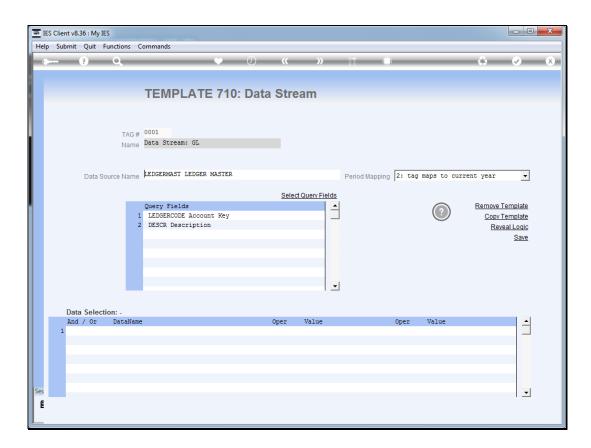


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🗆 ACT-CCUR	0	Cr Movem Current	Actual Credit Movement Current Month.
ACT-CCUR-FX	0	Cr Movem Current FX	Actual Credit Movement Current Month, Forex
ACT-CCURM1	0	Cr Movem Current - 1	Actual Credit 1 Month Prior.
ACT-CCURM2	0	Cr Movem Current - 2	Actual Credit 2 Months Prior.
ACT-CCURM3	0	Cr Movem Current - 3	Actual Credit 3 Months Prior.
ACT-CPTD	0	Cr Movem Ptd	Actual Credit Year-to-Date.
ACT-CUR	0	Actual Current	Actual Movement Current Month, Actual (Bank) Column only.
ACT-DATE-BAL	0	YTD Actual at Date	DateSet#1: YTD Fin Bal to Date in Current Month (Only DocWriter)
ACT-DATE-BAL-2	0	2 YTD Actual at Date	DateSet#2: YTD Fin Bal to Date in Current Month (Only DocWriter)
ACT-DATE-BAL-3	0	3 YTD Actual at Date	DateSet#3: YTD Fin Bal to Date in Current Month (Only DocWriter)
ACT-DATE-BAL-4	0	4 YTD Actual at Date	DateSet#4: YTD Fin Bal to Date in Current Month (Only DocWriter)
ACT-DATE-MOV	0	Current Month at Date	DateSet#1: CurMon Fin Movement to Date in CurMonth (Only DocWriter)
ACT-DATE-MOV-2	0	2 Current Month at Date	DateSet#2: CurMon Fin Movement to Date in CurMonth (Only DocWriter
ACT-DATE-MOV-3	0		DateSet#3: CurMon Fin Movement to Date in CurMonth (Only DocWriter
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VAR-CURBUD	0	Variance	Budget Variance (Actual - Budget), Current Month.	
VAR-CUREXP	0	Variance	Forecast Variance (Actual - Revised Estimate), Current Month.	
VAR-PTDBUD	0	Variance	Budget Variance (Actual - Budget), Year-to-Date.	
VAR-PTDEXP	0	Variance	Forecast Variance (Actual - Revised Estimate), Year-to-Date.	
VARBUDNOF	0	Var New/Old	Variance (Financial) between New Budget Total and Prior Year B	udget 1
VARBUDNOP	0	Var New/Old	Variance (Physical) between New Budget Total and Prior Year Bu	dget To
Fioc	1	0/0	Indicates Account Transaction Status, e.g. Open, Closed	-
ос-к	1	0/0	Indicates '1' if Open, '2' if Closed.	
✓ DESCR	2	Description	Account Name or Description. Used mostly for input.	
DESCR-disp35	2	Description	Account Name, 35 char long display for Queries, Reports.	
DESCR-disp50	2	Description	Account Name, 50 char long display for Queries, Reports.	
DESCR-disp60	2	Description	Account Name, 60 char long display for Queries, Reports.	
DESCR-long	2	Description	Account Name, 80 char long display for Queries, Reports.	
DESCR-m	2	Description	Account Name or Description. Used mostly for input.	
shortdescr	2	Description	Account Name, 15 char 'short' display for Queries, Reports.	
TYPE	3	Туре	Account Type.	
TYPE-K	3	Type	Account Type.	
REMARKS	4	Remarks	Account Notes.	
BANKACCT	5	Bank Acct	Indicates whether this Account is a Bank Account, connected to	Wizard
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Slide 13 Slide notes:

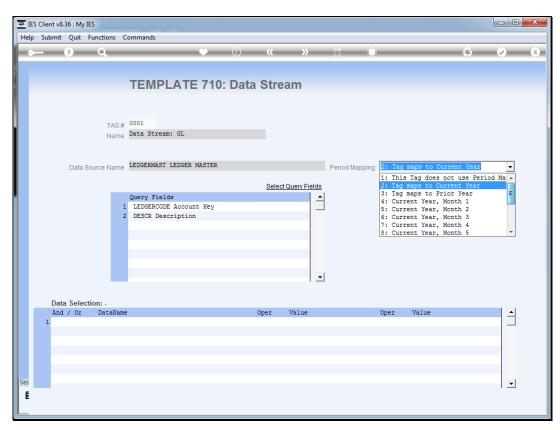


Slide notes: The selected Query Fields, in like manner to the data source, are subject to Query Builder rules, i.e. the User must have access to query the fields or not be barred from seeing any of the included fields.

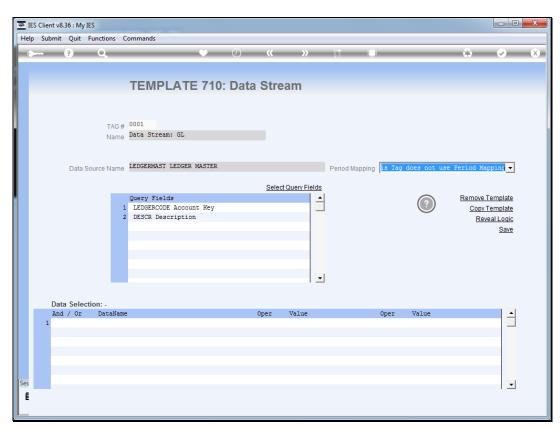
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Slide notes: Period Mapping may be used if the Data Stream includes Query Fields where the result is impacted by Period selection.

Slide 16 Slide notes:



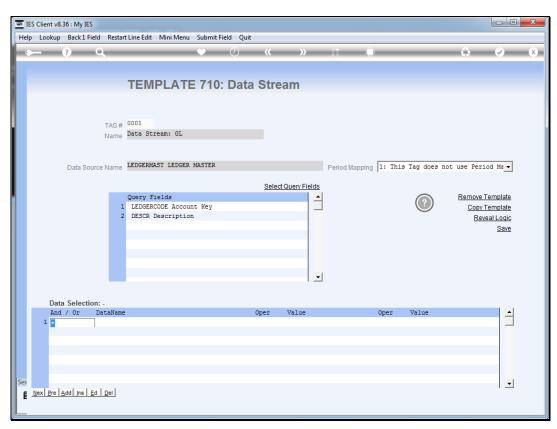




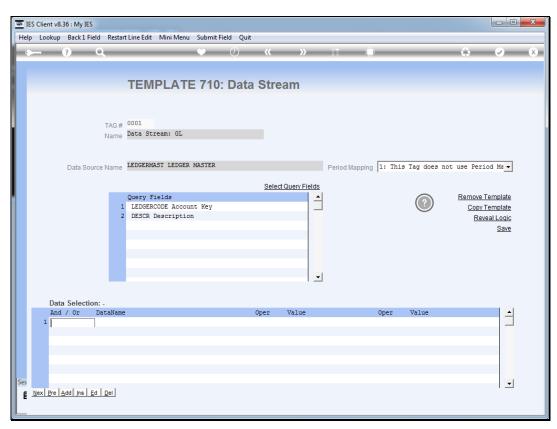


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Slide notes: The Data Selection rules have to be listed, and in this example we will simply select all the records.









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2 ACT-BF-		0	Month B/F FX	Actual Current Month B/F, Forex	
3 ACT-CCI		0	Cr Movem Current	Actual Credit Movement Current Month.	
4 ACT-CCI		0	Cr Movem Current FX		
5 ACT-CC		0	Cr Movem Current - 1	Actual Credit 1 Month Prior.	
6 ACT-CCI 7 ACT-CCI		0	Cr Movem Current - 2 Cr Movem Current - 3	Actual Credit 2 Months Prior. Actual Credit 3 Months Prior.	
8 ACT-CP		0	Cr Movem Current - 3 Cr Movem Ptd	Actual Credit 3 Months Prior. Actual Credit Year-to-Date.	
9 ACT-CU		0	Actual Current		
10 ACT-DAT		0	YTD Actual at Date		
11 ACT-DA		0	2 YTD Actual at Date		
12 ACT-DAT		0	3 YTD Actual at Date		
13 ACT-DAT		0	4 YTD Actual at Date		
14 ACT-DAT		0	Current Month at Date		
15 ACT-DAT		0			
16 ACT-DAT		0	3 Current Month at Date		
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18 ACT-DC		ō	Dt Movem Current	Actual Debit Movement Current Month.	
19 ACT-DC	JR-FX	0	Dt Movem Current FX	Actual Debit Movement Current Month, Forex	
20 ACT-DCI	JRM1	0	Dt Movem Current - 1	Actual Debit 1 Month Prior.	
21 ACT-DC	JRM2	0	Dt Movem Current - 2	Actual Debit 2 Months Prior.	
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302 VAR-PTDBUD	0	Variance	Budget Variance (Actual - Budget), Year-to-D	
303 VAR-PTDEXP	0	Variance	Forecast Variance (Actual - Revised Estimate	
304 VARBUDNOF	ő	Var New/Old	Variance (Financial) between New Budget Tota	
305 VARBUDNOP	ő	Var New/Old	Variance (Physical) between New Budget Total	
306 OC	1	0/C	Indicates Account Transaction Status, e.g. 0	
307 OC-K	1	0/C	Indicates '1' if Open, '2' if Closed.	
308 DESCR	2	Description	Account Name or Description. Used mostly for	input.
309 DESCR-disp35	2	Description	Account Name, 35 char long display for Queri	
310 DESCR-disp50	2	Description	Account Name, 50 char long display for Queri	
311 DESCR-disp60	2	Description	Account Name, 60 char long display for Queri	
312 DESCR-long	2	Description	Account Name, 80 char long display for Queri	
313 DESCR-m	2	Description	Account Name or Description. Used mostly for	
314 shortdescr	2	Description	Account Name, 15 char 'short' display for Qu	eries, Reports.
315 TYPE	3	Type	Account Type.	
316 TYPE-K	3	Type	Account Type.	
317 REMARKS 318 BANKACCT	4	Remarks Bank Acct	Account Notes.	
318 BANKACCT 319 TRC	5	Bank Acct Cash Receipt Acct?	Indicates whether this Account is a Bank Acc	
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Slide notes: Since we specify wildcards that allow any result, this means all records will qualify for selection.

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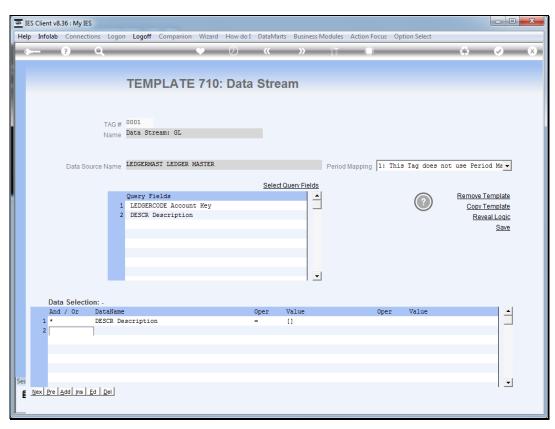


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Slide notes: We now have a suitable template defined, and can proceed to test this Data Stream.

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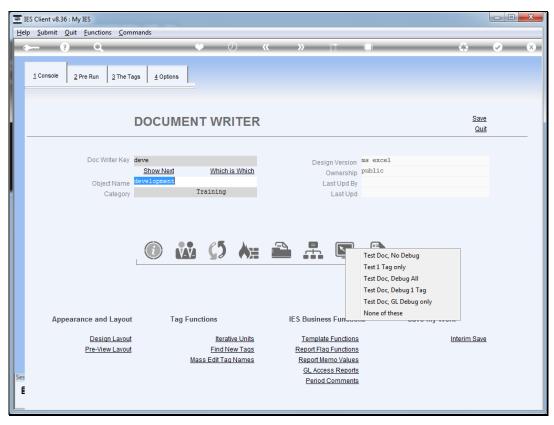


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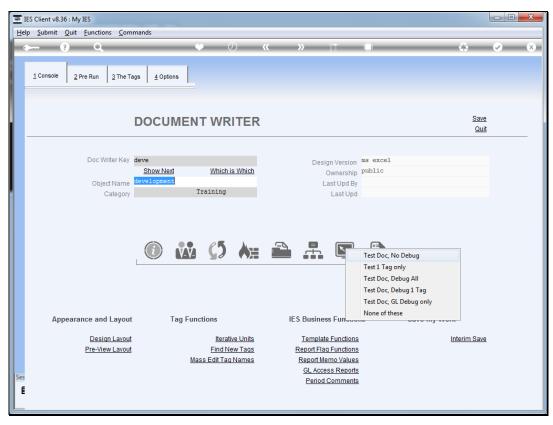




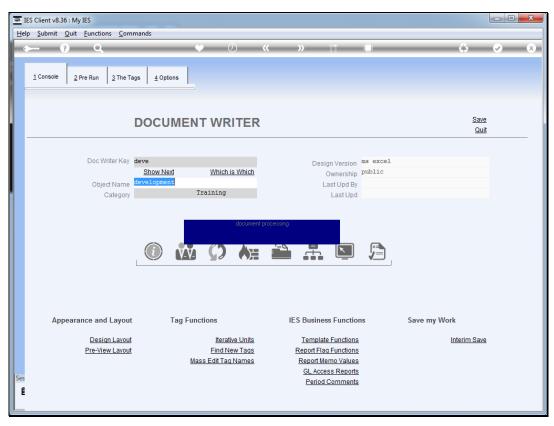
Slide 37 Slide notes:



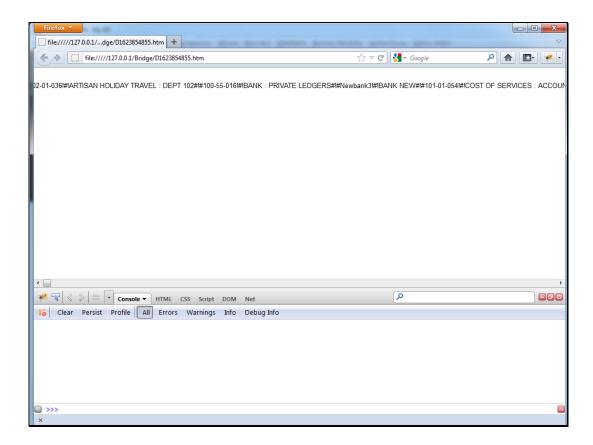
Slide 38 Slide notes:



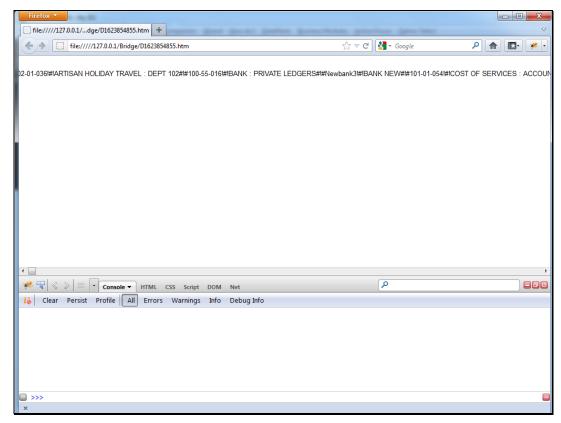
Slide 39 Slide notes:



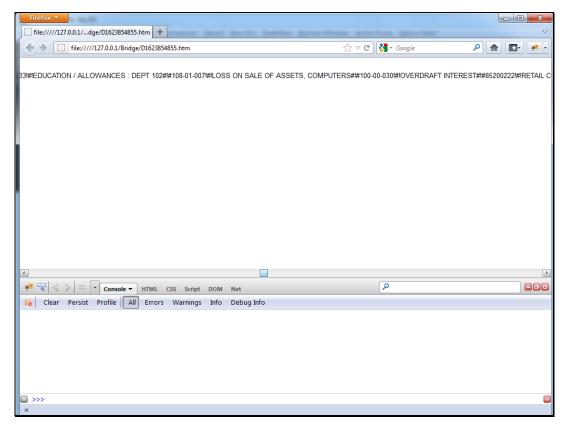
Slide 40 Slide notes:



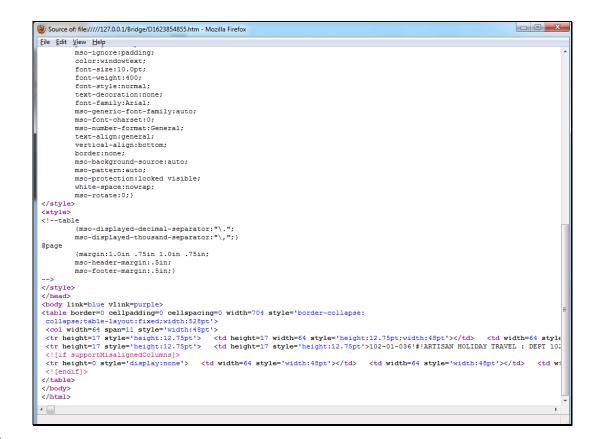
Slide notes: In the absence of any Java Script to deal with this data result, we can see that the data is simply streamed across the page.



Slide 42 Slide notes: Slide 43 Slide notes:



Slide 44 Slide notes:



Slide notes: When we look at the page source, we can see clearly that the data is provided as a continuous stream to the tag cell in the document.

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Slide 46 Slide notes: Slide 47 Slide notes:



Slide notes: We can also see that the data is delimited with a defined string pattern to delimit records, as well as fields in records. We will see this in the Help document in a moment.

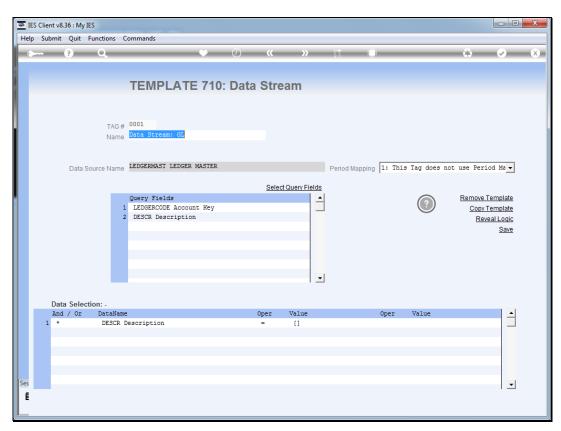
Slide 49 Slide notes:

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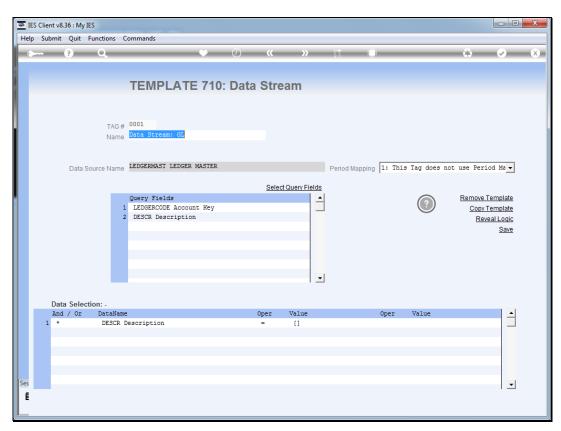
Slide 50 Slide notes:

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Slide notes: Now let us revisit the Tag template and see the help document.









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		then parsed by a custom Javascript routine. The result is always a continuous single string where records are separated (delimited) by " $\frac{1}{2}$ , $\frac{1}{2}$ and where fields					S	Search Phrase							
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Slide 54 Slide notes: Slide 55 Slide notes:

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	This tag is commonly used to generate a DataStream result for a Tag, which is then parsed by a custom Javascript routine. The result is always a continuous single string where records are separated (delimited) by "#!#" and where fields within each record are separated by "!#!".	Search Phrase							
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Slide notes: The result is always a continuous single string where records are delimited by a standard 3character string, and similarly the fields within a record are delimited in like manner, but with a different 3-character string.

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	The Tag Template offers simple prompts (all with help) for you to make choices, based upon which the system will generate the necessary Tag Logic.		Make a copy - <u>Text Copy</u>
	iesMobile DataStream Tag: -		
	This tag is commonly used to generate a DataStream result for a Tag, which is then parsed by a custom Javascript routine. The result is always a continuous single string where records are separated (delimited) by "#!#" and where fields within each record are separated by "!#!".		Search Phrase
	Required parameters are -		
	The Data Source Name The Query Fields The Data Selection Statement The Period Mapping (optional).		Search the IES web on-line documentation by typing a phrase, then choose "search".
Ses		Ŧ	<u>Search</u>
Ē	Objective Applied Control A		

Slide notes: We can see therefore how we can easily include volumes of data in the document, to be further manipulated with Java Script as the need may be. When we use iesMobile, we can also use interactive dynamic data streams to update the data in the document as many times as needed. Please see the tutorial for the dynamic Data Stream option.