## Slide 1 - Slide 1

🛃 IES Client v8.29 : My IES			2
Help Submit Quit Functions Commands	2000 COMP.		
• (?) Q	• 0	······································	×
1 Console 2 Pre Run 3 The T	ags <u>4</u> Options		
	DOCUMENT WRITER	2	
Doc Writer Key	temp	Design Version not define	1
	- Which is Which	Ownership <b>Public</b>	
	Income Statement SOHO Financial Statements	Last Upd By Terry	
Category	Financial statements	Last Upd 12/08/2010	
	🕐 🐝 🗘 🕅	i 🖴 🚠 国 🔎	
Appearance and Layou Design Layou <u>Pre-View Layou</u>	I Iterative Units	IES Business Functions Template Functions Report Flag Functions Report Memo Values OL Access Reports	Save my Work Interim Save Save
É			

### Slide notes

We will now look at DocWriter's functional link to the IES Metadata, and how we can use it in our Report Writing.

## Slide 2 - Slide 2

🛃 IES Client v8.29 : My IES		
Help Submit Quit Functions Comm	ands	
1 Console 2 Pre Run 3	🧟 Selection Dialog	
	Meta Data Interface	
	For detail on data sources and / or data names available from data sources, please choose "data sources". sources". For document writer direct access data layouts on preformatted sources, please choose "direct source data layouts".	Data Sources I Direct Source Data Layouts (document Writer) I Quit I
Doc Writer		
Object 1		
. Cat		
	🔄 🛈 🐝 🧳 🛵 🖴 🧏	
Appearance and La	yout Tag Functions IES Business Functions	Saus mu Wash
		Save my Work
Design La Pre-View La		Interim Save Save
	Mass Edit Tag Names Report Memo Values	
Ses É	<u>GL Access Reports</u>	

# Slide notes

There are 2 elements of interest here, and we look at the 'Data Sources' first.

## Slide 3 - Slide 3

IES Client v8.29 : My IES Help Submit Quit Functions Comm		
	• Ø « » it ü	4
1 Console 2 Pre Run 3 Doc Writer Object 1 Cate	Selection Dialog Data Source selection Please select the method to find the Data Source -	From "Most often used" From "List of suitable Sources" From "All Sources" Quit
Appearance and La Design La Pre-View La	vout Iterative Units Template Functions	Save my Work Interim Save Save

#### Slide notes

The longest list of Data Sources are the 'All Sources' and the shortest list is 'Most Often used'. The latter includes the popular Files that are most often used as Data Sources for Reports.

### Slide 4 - Slide 4

	lient v8.29 : My IES	Companion Wizard How	do I DataMarts Business Modules Action Focus Option Select	_ 0
88 - 140 M	🤉 Q		0 « » ii u 🔅	<ul> <li>×</li> </ul>
		4		
<u>1</u> 0	onsole <u>2</u> Pre Run <u>3</u> The Tag	s <u>4</u> Options		
1.				
SINGL	E SELECT: Data Sources	SOCOMENT	WALLEN	
	Business Application	Data Source	Description	
	Accounting Controls	LENTS	Customer Register, AP (type C) and AR (type D) and Loans (type N).	~
2	Consumer and Market Loans		Loan Master.	
3	Fixed Asset Register	ATMAST	Asset Master.	
1 G 1	Fixed Asset Register	ATMASTI	Asset Item Master.	
0.000	Fixed Asset Register	ATPARAMS	Asset Item Financial Values.	
6	General Ledger	ACTIVPOS	Activity Flags.	
7	General Ledger	BSPOS	Balance Sheet Flags.	
1.22	General Ledger	COSTPOS	Cost Centre Flags.	
9	General Ledger	DEPTPOS	Department Flags.	
1500 B	General Ledger	ISPOS	P&L (Income Statem) Flags.	-
1000 C	General Ledger	LEDGERMAST	Ledger Master.	=
	General Ledger	ODDSPOS	Master Accounts (Ledger).	
10005	General Ledger	OTHER1POS	Groups Flags.	
2.2.2	General Ledger	OTHER2POS	Analysis Flags.	
	General Ledger	SUPERPOS	Super Accounts (Ledger).	
	General Ledger	TRIALBPOS	Trial Balance Flags.	
	Inventory	IVMAST	Stock Master.	
	Inventory	IVPARAMS	Stock Item Master.	
	Job Costing	JOBMAST	Jobs Master.	فليبا
	Personnel	LEAVEDATA	Leave Transaction Audit Trail.	
21	Personnel	PERSMASTER	Personnel Master.	×
		Select ALL	Show Full Line     Cancel     OK       Edit Tag Names     Report Memo Values       GL Access Reports	

#### **Slide notes**

With the Application Names on the left and the Descriptions on the right, it is not hard to find the correct Data Source that we want to use. A Data Source is a File with data, and usually with Data Names that are sufficiently intelligent to interpret data and translate it into information, sometimes in the process performing logic or calculating new Values, and often retrieving additional linked Values from other Files.

### Slide 5 - Slide 5

	lient v8.29 : My IES olab Connections Logon Logoff	Companion Wizard How	v do I DataMarts Business Modules Action Focus Option Select	
	(?) Q		() « » ii 🖡	<ul> <li>Ø</li> </ul>
10	onsole <u>2</u> Pre Run <u>3</u> The Tag	s <u>4</u> Options		
INGL	E SELECT: Data Sources		A REAL AND A MEAN	
	Business Application	Data Source	Description	
	•			
1	Accounting Controls	LENTS	Customer Register, AP (type C) and AR (type D) and Loans (type N)	•
EE 8	Consumer and Market Loans		Loan Master.	
NG 0	Fixed Asset Register	ATMAST	Asset Master.	
	Fixed Asset Register	ATMASTI	Asset Item Master.	
2.2 2	Fixed Asset Register	ATPARAMS	Asset Item Financial Values.	
	General Ledger	ACTIVPOS	Activity Flags.	
	General Ledger	BSPOS	Balance Sheet Flags.	
	General Ledger	COSTPOS	Cost Centre Flags.	
	General Ledger	DEPTPOS	Department Flags.	
	General Ledger	ISPOS	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	TRIALBPOS IVMAST	Trial Balance Flags. Stock Master.	
	Inventory Inventory	IVPARAMS	Stock Master. Stock Item Master.	
	Job Costing	JOBMAST	Jobs Master.	Ļ
	Personnel	LEAVEDATA	Leave Transaction Audit Trail.	
ST.C. 1	Personnel	PERSMASTER	Personnel Master.	6
41	reisonnei	FERSHASTER	reisonnei Mastel.	U
		Select ALL	Show Full Line Cancel OK	
		Mass	Edit Tag Names Report Memo Values	
			GL Access Reports	

### Slide notes

If we select a Data Source here, then we will get a Report with the available Data Names in this Data Source. The Data Names are the most often used parameters in our Report Writing.

# Slide 6 - Slide 6

	ient v8.29							
Help Subi	mit Quit Fu	inctions Commands						
- ()	?	9,	I D	« »	in in in	- ()		<ul><li>×</li></ul>
	-	IES REPORTS AN	ND QUERIES	:- Use	er Instru	ctions	_	
NA	AME:	USER SELECTED REPORT		5: -	ADAPT DAT	A SELECTION (if	prompts are present) How to define MY CHOI	CE O
		CHOOSE VERSION			election Tip		My Choice	
R	Report Version			1				
	2: -	CHOOSE SETTINGS						
		report FILE	• •					
	Template	htm html file 05: Gummy Hoops Inc	• •					
T	Report Header	*** not offered for adaptati	on ****	<u>~</u>				-
		<u>s</u> .	2	Nex Pre	Add Ins Ed	Del		. —
	3: -	CHOOSE DATA SELECTOR external data selection	Change Select					
	Data Selector			6: -	Record Select:		C OPEN Records only C CLOSED Records Or	ıly
		TO e-MAIL THE RESULTS Prior Despatch By E-Mail Mail Dri	ity <b>normal</b>	-			EITHER	
	Mail To Mail Title	report by mail						
The second se		report by mail		^				
Ses				7: -	CHOOSE NE	XT		Next
É		<	2	~				

### Slide 7 - Slide 7

# Slide notes

The Ledger Master is used as the basis for many Reports, and this Report reveals the available intelligent Data Names that we can use with GL Reports.

Slide 8 - Slide 8

🏉 Infolab - Windows Int	ternet Explorer			
() · () 127.0.0	).1\Bridge\H1556636751.HTM			🖌 😽 🗙 🚰 Google
File Edit View Favorite	es Tools Help			
x Google		💌 🔧 Search 🔹 🕫 🌮 👘 🔹	🙋 Share 🔹 🔯 🔹 💷 Sidewiki 🔹	🆓 Check 🔹 🛐 Translate 🔹 🎦 AutoFill 👻 🌛 🔍 🗸 🔵 Sign 1
🖕 Favorites   🍰 🔊 Fre	e Hotmail 🙋 Suggested Sites	🔹 🙋 Web Slice Gallery 🔹		
🏉 Infolab				🏠 🔹 🔝 🕘 📑 🗭 🔹 Page 🔹 Safety 🔹 Tools 🕶 🌘
I-E	14	Inc / Exp	Ignore - do not us	зе.
OTHER1 POS	15	*Other 1 Pos	Groups and Categor	ries Report Flag Name.
OTHER1POS-KEY	15	*Groups	Groups and Categor	ries Report Flag indicator.
OTHER2POS	16	*Other 2 Pos	Ledger Analysis Re	eport Flag Name.
OTHER2POS-KEY	16	*Analysis	Ledger Analysis Re	eport Flag indicator.
RESOURCE	17	*Resource	Physical Resource	Name.
RESOURCE-X	17	Physical Resource	Physical Resource	Name.
BANK	18	Bank	Bank Code indicato	or.
CYCLE	19	Fin Cycle	Financial Cycle in	ndicator.
BSPOSC	20	*!B/Sheet 'Closed' Cy	cle Balance Sheet Repo	ort Flag indicator for advanced / stepped cy
MARKUP	21	Profit	Markup Indicator f	for internal costing (issues from Stock).
MARKUP-K	21	Profit	Markup Indicator f	for internal costing (issues from Stock).
CUSTOM1	22	Custom		and a second the second of the second s
ISPOSC	23	*! I/Statement 'Closed	' Cy Income Statement H	Report Flag indicator for advanced / stepped
COSTA	24	Costing Acct	Is this is a Costi	ing-specific account, Y or N.
CONKEY	25 C;26	Consolidation	Consolidation Flag	g(s) indicating the Consolidation Type, whic
ACCUM	26 D;25	Accumulator Id	Account pointer fo	or the target Consolidator, i.e. to which th
ECOS	27	Force Budget Type?	Cost Budget indica	ator: 'c' to force Costing Budgets instead o
PROJ	28	Project Id	Project (or Compan	ny within multi-company set up); always "0"
ALLO	29	Auto Cost Allocation	Auto Cost allocati	ion indicator.
RECON	30	Reconciliation Id	Recon Master key,	if linked to a Bank Recon.
PROFIT	31	Profit	Ignore - do not us	38.
PROFIT-K	31	Profit	Ignore - do not us	
FOREX	32	Forex	Linked Currency Ma	anagement indicator.
FOREX-PAR	32	Forex Link	Linked Currency Ma	anagement indicator.
LUPDBY	33	Last Upd By	Last User that upo	dated this master record.
LUPDD	34	Last Upd		ster record was updated.
KPII	35	Kpi Indicator	Linked Key Perform	mance Indicator Name, if any.
F-SUBACCTS	40 C;41	Subaccts	and a second state and a second state of the	
AV-SUBACCTS	41 D;40	Allowed Values		
ACCT-TYPE-X	42	Account Type	Account Type.	
EXEC-TYPE	42	Account Type	Account Type.	
EXEC-OC	43	Transaction Status	Account Transactio	on Status.
MEMO-VAL	44 C;45;46;47	Value		
MEMO-NAMES	45 D;44	Name		
MEMO-BY	46 D;44	Updated By		
MEMO-ON	47 D:44	On		

Slide 9 - Slide 9

🏉 Infolab - Windows Int	ternet Explorer			
() · () 127.0.0	).1\Bridge\H1556636751.HTM			💌 🔄 🔀 Google
<u>File E</u> dit <u>V</u> iew F <u>a</u> vorite	es <u>T</u> ools <u>H</u> elp			
x Google		💌 🛂 Search 🔹 🕫 🖉 🔹 👘 🔹	👩 Share 🔹 👰 🔹 💷 Sidewiki 🔹	🏶 Check 🔹 🚑 Translate 🍷 🎦 AutoFill 🍷 🌛 🔌 🐑 Sign Is
🚖 Favorites 🛛 🍰 🔊 Free	e Hotmail 🙋 Suggested Sites	🔹 🙋 Web Slice Gallery 🝷		
🏉 Infolab				🐴 🔹 🔝 - 🖃 👼 🔹 Bage 🔹 Safety 🔹 Tools 🕶 🌘
I-E	14	Inc / Exp	Ignore - do not us	se.
OTHER1 POS	15	*Other 1 Pos	Groups and Categor	ries Report Flag Name.
OTHER1POS-KEY	15	*Groups	Groups and Categor	ries Report Flag indicator.
OTHER2 POS	16	*Other 2 Pos	Ledger Analysis Re	eport Flag Name.
OTHER2POS-KEY	16	*Analysis	Ledger Analysis Re	eport Flag indicator.
RESOURCE	17	*Resource	Physical Resource	Name.
RESOURCE-X	17	Physical Resource	Physical Resource	Name.
BANK	18	Bank	Bank Code indicato	or.
CYCLE	19	Fin Cycle	Financial Cycle in	ndicator.
BSPOSC	20	*!B/Sheet 'Closed' Cyd	cle Balance Sheet Repo	ort Flag indicator for advanced / stepped cyc
MARKUP	21	Profit	Markup Indicator f	for internal costing (issues from Stock).
MARKUP-K	21	Profit	Markup Indicator f	for internal costing (issues from Stock).
CUSTOM1	22	Custom		
ISPOSC	23	*!I/Statement 'Closed	' Cy Income Statement H	Report Flag indicator for advanced / stepped
COSTA	24	Costing Acct	Is this is a Costi	ing-specific account, Y or N.
CONKEY	25 C;26	Consolidation	Consolidation Flag	g(s) indicating the Consolidation Type, which
ACCUM	26 D;25	Accumulator Id	Account pointer fo	or the target Consolidator, i.e. to which thi
ECOS	27	Force Budget Type?	Cost Budget indica	ator: 'c' to force Costing Budgets instead of
PROJ	28	Project Id	Project (or Compar	ny within multi-company set up); always "0" i
ALLO	29	Auto Cost Allocation	Auto Cost allocati	ion indicator.
RECON	30	Reconciliation Id	Recon Master key,	if linked to a Bank Recon.
PROFIT	31	Profit	Ignore - do not us	se.
PROFIT-K	31	Profit	Ignore - do not us	e.
FOREX	32	Forex	Linked Currency Ma	anagement indicator.
FOREX-PAR	32	Forex Link		anagement indicator.
LUPDBY	33	Last Upd By	Last User that upo	lated this master record.
LUPDD	34	Last Upd	Last Date this mas	ster record was updated.
KPII	35	Kpi Indicator	Linked Key Perform	mance Indicator Name, if any.
F-SUBACCTS	40 C;41	Subaccts		
AV-SUBACCTS	41 D;40	Allowed Values		
ACCT-TYPE-X	42	Account Type	Account Type.	
EXEC-TYPE	42	Account Type	Account Type.	
EXEC-OC	43	Transaction Status	Account Transactic	on Status.
MEMO-VAL	44 C;45;46;47	1. 2. 2. Mar		
MEMO-NAMES	45 D;44	Name		
MEMO-BY	46 D;44	Updated By		
MEMO-ON	47 D;44	On		

### Slide 10 - Slide 10

IES Client v8.29 : My IES Help Submit Quit Punctions Comm	ands	
? Q	🎔 Ø « » it 🛈	*
1 Console 2 Pre Run 3 Doc Writer Object 1 Cate	Selection Dialog Meta Data Interface For detail on data sources and / or data names available from data sources, please choose "data sources". For document writer direct access data layouts on preformatted sources, please choose "direct source data layouts".	Data Sources Direct Source Data Layouts (document Writer) Quit
Appearance and La <u>Design La</u> <u>Pre-View La</u> É	vout Iterative Units Template Functions	Save my Work <u>Interim Save</u> <u>Save</u>

#### Slide notes

Next we will look at the Direct Data Source Layouts. What are they? In some cases, the system will format a temporary data record for a special purpose, including in this record all the data that is required for a specific type of Report. Such a record has a temporary life and is destroyed again after the Report has been produced, and we call that a Direct Data Source Layout record. More often than not, this special Record is written to the file called DOCWRITESPRE, and for our Report we can simply extract whichever Values we need from the Data Record, and we do so by Data Field Number.

### Slide 11 - Slide 11

IES Client v8.29 : My IES	mpanion Wizard How do I DataMarts Business Modules Action Focus Option Select	
1 Console 2 Pre Run 3 The Tags	• ⑦ 《 》 11 ■ 4 Options	\$ Ø (X
D	OCUMENT WRITER	
Doc Writer Key ter Object Name Category	SINGLE SELECT: Direct Data Layouts  Select -  Concrete: Weigh Bill Cost Order  Debtors: Invoice Debtors: Statement, Balance Forward Debtors: Statement, Open Item Distribution: Delivery Note, General Distribution: Delivery Note, Sari Sari Distribution: Deposit Invoice Loans: Statement Purchasing: PO Purchase Order Loans: Statement Retail: Invoice, POS Retail: Invoice, ODP Retail: Invoice, Sari Sari	
Appearance and Layout Design Layout Pre-View Layout	Select ALL Show Full Line Cancel OK Find New Tags Report Flag Functions Mass Edit Tag Names Report Memo Values GL Access Reports	my Work Interim Save Save

### Slide notes

Here we have some examples of direct Data Source Layouts provided by the system when certain events occur.

### Slide 12 - Slide 12

🗃 IES Client v8.29 : My IES Help Infolab Connections Logon Logoff Companion Wizard How do I DataMarts Business Modules Action Focus Option Select	
Initial connectors bugon companion wital now of Datamarts business motores within thits option beet.       Image initial connectors bugon companion wital now of Datamarts business motores within the sectors option beet.	×
1 Console 2 Pre Run 3 The Tags 4 Options	
DOCUMENT WRITER	
SINGLE SELECT: Direct Data Layouts Doc Writer Key ter Select -	
Object Name       In         1       Concrete: Weigh Bill Cost Order         2       Debtors: Invoice         3       Debtors: Statement, Balance Forward         4       Debtors: Statement, Open Item         5       Distribution: Delivery Note, General         6       Distribution: Delivery Note, Sari Sari         7       Distribution: Deposit Invoice         8       Loans: Statement         9       Purchasing: OP Purchase Order         10       Purchasing: GRN Goods Received Note         11       Retail: Invoice, POS         13       Retail: Invoice, Sari Sari         14       Retail: Invoice, Sari Sari	
Appearance and Layout my Work Select ALL Show Full Line Cancel OK My Work	
Design Layout     Interim Save       Pre-View Layout     Find New Tags     Report Flag Functions     Save       Mass Edit Tag Names     Report Memo Values       GL Access Reports	

#### **Slide notes**

For example, when a Retail Invoice must be generated, then the system puts together all the related pieces of information from various Files, into 1 single record, and writes it to DOCWRITESPRE. That means that our Report Layout for the Invoice can be customized any way we'd like to present it, and our Tags will just retrieve the relevant Values from the correct Field Numbers in this Data Record that has already been prepared by the system.

# Slide 13 - Slide 13

🖉 IES Client v8.29 : My IES Help Infolab Connections Logon Logoff Companion Wizard How do I DataMarts Business Modules Action Focus Option Select	
1 Console 2 Pre Run 3 The Tags 4 Options	40 (X)
SINGLE SELECT: Direct Data Layouts	
Doc Writer Key     ter       Object Name     Int       Category     1       Category     2       Debtors:     Invoice       3     Debtors:       Debtors:     Statement,       Balance     Forward       4     Debtors:	
5 Distribution: Delivery Note, General 6 Distribution: Delivery Note, Sari Sari 7 Distribution: Deposit Invoice 8 Loans: Statement 9 Purchasing: PO Purchase Order 10 Purchasing: GRN Goods Received Note 11 Retail: Quotation	
12 Retail: Invoice, POS 13 Retail: Invoice, ODP 14 Retail: Invoice, Sari Sari	
Appearance and Layout           Design Layout         Select ALL         Show Full Line         Cancel         OK	• my Work
Pre-View Layout         Find New Tags         Report Flag Functions           Mass Edit Tag Names         Report Memo Values           GL Access Reports	Save
É	

### Slide 14 - Slide 14

Submit Quit Fur	nctions Commands			
	<b>q.                                     </b>		÷	<ul> <li>()</li> </ul>
	ocument			
				Nex
	, Point of Sale - Direct Data Layout			
Document Write	oice Data are pre-formatted to a 'docwritespre' source record before calling r. If this report (RETAIL-INV, RETAIL-INV-2, RETAIL-INV-FX, RETAIL-INV-FX-2) as a modified version (swap), then the data layout may be accessed as follows:	-		
Field #	Data	=		
 Fransaction Li	ne Detail (multi valued), Invoice Currency e.g. Local or Forex			
l,n	Transaction Date		Make a copy -	Text Cop
2,n	Description	<u></u>		
3,n	Item Code			
4,n	Quantity			
5,n	Amount (inclusive)		<b>81</b>	
6,n	Line Tax		Search Phrase	
7,n 8,n	Amount (exclusive) Line Discount Amt			
9,n	Serial / Batch No			
10,n	* if sale and not delivered now			
,				
Fransaction Li	ne Detail (multi valued), Local Currency		Search the IES web o	
			by typing a phrase, th	ien choose "search
51,n	Amount (inclusive)			
52,n	Line Tax			
53,n	Amount (exclusive)			Search
54,n	Line Discount Amt			
	ice Currency e.g. Local or Forex	~		
5		>		
	Doc Key dds-layout-05			
	Doc Key was raide as			

### Slide notes

So we may note here that 'RETAIL-INV' is one of the Reports that will be using this Data Layout, and we want to refer back to this to tie together the concepts.

### Slide 15 - Slide 15

Submit Quit Fu	unctions Commands			
- ?	् ् ् ् ् ् ् ् ् ् ् ् ् ् ् ् ् ् ्	•	0	Ø 0
				Next
	e, Point of Sale - Direct Data Layout	*		
Document Write	voice Data are pre-formatted to a 'docwritespre' source record before c er. If this report (RETAIL-INV, RETAIL-INV-2, RETAIL-INV-FX, RETAIL-INV as a modified version (swap), then the data layout may be accessed as	-FX-2)		
Field #	Data	=		
1,n 2,n 3,n 4,n	ine Detail (multi valued), Invoice Currency e.g. Local or Forex Transaction Date Description Item Code Quantity		Make a copy -	Text Copy
5,n 6,n 7,n 8,n 9,n 10,n	Amount (inclusive) Line Tax Amount (exclusive) Line Discount Amt Serial / Batch No * if sale and not delivered now	Sear	ch Phrase	
Transaction Li	ine Detail (multi valued), Local Currency		Search the IES web or by typing a phrase, the	
51,n 52,n 53,n 54,n	Amount (inclusive) Line Tax Amount (exclusive) Line Discount Amt		*) Obud o buoocí un	Search
	oice Currency e.g. Local or Forex	~		
5		2		
	Doo Key dds-Layout-05			

#### **Slide notes**

And we see here a list of Data Field numbers, and what data may be expected at those positions. Some Data Fields can have multiple values, and those are usually indicated with ',n'. For example, the Transaction Lines, for which there is 1 line for each Item on the Invoice.

### Slide 16 - Slide 16

Slide 17 - Slide 17

	<b>Q V V V V</b>	- in the second s	\$	Ø 0
-				
	ocument			
				Next
52,n	Line Tax			
53,n	Amount (exclusive)	(1999)		
54,n	Line Discount Amt			
Totals in Invoi	ice Currency e.g. Local or Forex			
30	Invoice Total excluding Tax			
31	Invoice Total Tax			
32	Invoice Total including Tax			
65	Prepaid Amount or Deposit			
Totals in Local	L Currency		Make a copy -	Text Copy
61	Invoice Total excluding Tax			
62	Invoice Total Tax			
63	Invoice Total including Tax			
64	Prepaid Amount or Deposit	≡ s	earch Phrase	
Other Indicator	C3			
17	Copy (says COPY if it is a copy, else null)			
18	Invoice or Credit Note			
20,n	Postal Address Header Lines (multi valued)		Search the IES web	on-line documentatio
21,n	Physical Address Header Lines (multi valued)		by typing a phrase, ti	hen choose "search
22	Currency			
23	Company Tax No			
24	Company Address Line			Search
25	Company Contact Line			
26	Payment Terms			
27	Message			
5		2		
	Doo Key dds-layout-05			

### Slide 18 - Slide 18

Slide 19 - Slide 19

Submit Quit F	unctions Commands			
	<b>♀</b> ∅ ≪ ≫		\$	<ul> <li>(*)</li> </ul>
	ocument			
				Nex
Fransaction L	ine Detail (multi valued), Local Currency			
		(mail)		
51,n	Amount (inclusive)			
52,n	Line Tax			
53,n	Amount (exclusive)			
54,n	Line Discount Ant			
Cotals in Inv	oice Currency e.g. Local or Forex			
30	Invoice Total excluding Tax			
31	Invoice Total Tax			
32	Invoice Total including Tax		Make a copy -	Text Cop
55	Prepaid Amount or Deposit			TEALCOP
Fotals in Loc	al Currency			
51	Invoice Total excluding Tax		1.00	
52	Invoice Total Tax	Sean	ch Phrase	
53	Invoice Total including Tax			
54	Prepaid Amount or Deposit			
)ther Indicat	ora			
Souch Hunted			Search the IES web o	n-line documentati
17	Copy (says COPY if it is a copy, else null)		by typing a phrase, th	en choose "searc
18	Invoice or Credit Note		, , , , , , , , , , , , , , , , , , ,	
20,n	Postal Address Header Lines (multi valued)			
21,n	Physical Address Header Lines (multi valued)			Searc
22	Currency			
23	Company Tax No			
4	Company Address Line	<b>E</b>		
c				
	dda Jawash 85	<u>1963</u>		
	Doc Key dds-layout-05			

### Slide 20 - Slide 20

S Client v8.29 : My IES					
Submit Quit Functions Commands					
(?) Q	C		« » ii	0	43 🐼 X
1 Console 2 Pre Run 3 The Tag	is <u>4</u> Options				
i	DOCUMEN	TWRITER			
Doc Writer Key 🗴	cetail-inv		Design Version	html editor	
		Which is Which	Ownership	phant System Manager	
Object Name			Last Upd By	System Manager	
Category	Retail & Distr	ibution	Last Upd	22/12/2009	
	①	<b>Ç5 A</b> ⊯			
Appearance and Layout Design Layout Pre-View Layout		<u>Iterative Units</u> Find New Tags	Template Functions Report Flag Functions Report Memo Values	1 1	k <u>nterim Save</u> <u>Save</u>
	Submit Quit Functions Commands	Submit Quit Functions Commands	Submit Quit Functions Commands	Submit Quit Punctions Commands         1 Console       2 Pre Run       3 The Tags       4 Options         DOCUMENT WRITER         Doc Writer Key       retail - inv       Design Version. Ownership Last Upd By Retail & Distribution       Design Version. Ownership Last Upd By Last Upd         Object Name Category       Retail Invoice, P0S, Copy 1 Retail & Distribution       Design Version. Ownership Last Upd         Image: Category       Retail & Distribution       Image: Category         Image: Category       Image: Category       Image: Category         Image: Category       Tag Functions       IES Business Functions         Image: Category       Tag Functions       Template Functions	Subnit Quit Functions Commands         1 Console       2 Pre Run       3 The Tags       4 Options         DOCUMENT WRITER         Doc Writer Key Cotegory       retail-inv       Which is Which Which is Which Object Name Cotegory       Petail I Invoice, 208, Copy 1 Retail & Distribution       Design Version Overeithp System Kanager         Object Name Cotegory       Retail i & Distribution       Design Version System Kanager       Invoice, 208, Copy 1 Retail & Distribution         Image: Cotegory       Image: Cotegory       Image: Cotegory       Image: Cotegory         Image: Coteg

### Slide notes

So here we have that very Report. Now let us look at the Layout for this Report, which is an Invoice.

# Slide 21 - Slide 21

🧖 II	S Client v8.29 : My IES		
Help	Submit Quit Functions Commands		
- 10	- 9 Q	🔍 🕖 < » 🗊 🛑 🗳	<ul> <li>×</li> </ul>
	1 Console 2 Pre Run 3 The Ta	ags <u>4</u> Options	
2	1	DOCUMENT WRITER	
	Doc Writer Key	retail-inv Design Version html editor	
		Which is Which Ownership Dear Anager	-
	Object Name	Retail Invoice, POS, Copy 1 Last Upd By System Manager	
	Category	Retail & Distribution Last Upd 22/12/2009	
		💿 🐝 🧳 🐜 🖴 👫 💟 🦻	
See	Appearance and Layout <u>Design Layout</u> <u>Pre-View Layout</u>	Tag Functions     IES Business Functions     Save my Work       Iterative Units     Template Functions     Interim Save       Find New Tags     Report Flag Functions     Save       Mass Edit Tag Names     Report Memo Values     GL Access Reports	
E			

### Slide 22 - Slide 22

🖉 New Report - Windows Int	ternet Explorer			
()127.0.0.1\Bri	dge\X1556636916.htm		💌 😽 🗶 🚼 Google	٩
File Edit View Favorites T	ools Help			
× Google	🖌 🔧 Search 🛪 🖓 🍏	🔹 📲 🔹 🙋 Share 🔹 👰 🔹 💭 Sidewiki 🔹	ABC Check 🔹 🚉 Translate	🔹 🎦 AutoFill 🔹 🌽 🔌 🔹 🔵 Sign Ir
🖕 Favorites 🛛 🖕				
Se New Report			🟠 • 🗟 - 🖻	👼 🔹 Page 🔹 Safety 👻 Tools 👻 🔞
0001		0002  0003		
0030				
0029   0007   0008   0009   0010   0011   0012   0013	Tax Invoice  0004  Tax Registration No  0005	Account:  0015 Tax No  0016 Currency:  0028 Date:  0006	3]	
Terms:  0027	Date Description Document Qua	ntity  0017  Amount Incl Ta 021   0022   0023 Before Tax  0024  Tax  0025  Inclusive Total  0026		

#### **Slide notes**

At Tag 0018 we will have a Unit that can expand into multiple lines, i.e. depending on the number of Items on the Invoice. The example that we will investigate is Tag 0005, which will display the Company Tax Number.

#### Slide 23 - Slide 23

🏉 New Report - Windows Interne	t Explorer					
(\127.0.0.1\Bridge\X1	1556636916.htm		¥ 47 ×	Google		P
File Edit View Favorites Tools	Help					
× Google	💌 🔧 Search 🔹 🕫 🧒 🔹	📲 🛛 🙋 Share 🔹 👰 🔹 💷 Sidev	viki 🔹 🤔 Check 🤹	r 🧃 Translate	• 🎦 AutoFill • 🌛	🔦 🔹 🔵 Sign Ir
🖕 Favorites 🛛 🍰 🔊 Free Hotmail 🧯	🕽 Suggested Sites 🔻 👩 Web Slice Gallery 👻					
🖉 New Report				• 🔊 - 🖃	👼 🕶 Page 🕶 Sa	ifety 🕶 Tools 🕶 🔞
<b> 0001 </b>  0030			0002  0003			
	Tax Invoice  0004  Tax Registration No  0005	Account:  0015 Tax No   Currency:   Date:	0028			
0029   0007   0008   0009   0010   0011   0012   0013		6				
20 C	<u>Date Description Document Quant</u>  0018  0019   0020   002		<u>Tax</u> 0023			
Terms:  0027						

### Slide 24 - Slide 24

<b>2</b> I	ES Client v8.29 : My IES						
Help	Submit Quit Functions Commands						
-	- 9 Q	•	Ð	<b>« »</b> it	- 0	(5)	<ul> <li>×</li> </ul>
	1 Console 2 Pre Run 3 The Tag	gs <u>4</u> Options					
		DOCUMENT	WRITER				
	Doc Writer Key	cetail-inv		Design Ver	<sub>sion</sub> html editor		·
			Which is Which	Owner			
	Object Name <sup>1</sup> Category	Retail Invoice, POS Retail & Distri		Last Up	Herry           Upd         22/12/2009		
	Category			L831	upd		
		① 챖	<b>()</b> Ah	<u>₽</u>			
Se: É	Appearance and Layout <u>Design Layout</u> <u>Pre-View Layout</u>	Tag Funct <u>Mas</u> s	ions I <u>terative Units</u> Find New Taqs s Edit Taq Names	IES Business Fun Template Func Report Flag Func Report Memo Va GL Access Rep	ions ions lues	Save my Work <u>Interim Save</u> <u>Save</u>	

# Slide notes

So let's have a look at Tag 0005.

### Slide 25 - Slide 25

🧖 II	ES Client	v8.29 : My I	IES					
Help	Submit	Quit Function	s Commands					
-	-			(J) (K	>>	and the second second		
	-		× ·	· · · ·				
-		- C						
	1 Console	e <u>2</u> Pre Ru	n <u>3</u> The Tags <u>4</u> Options					
-	2							
in a								
	Tag F	Result Macro	is: .				Where is that tag !	
		>>> Tags	Value Names	Exe	c It		riflere is that tag i	
	1	and the second second second second	Company Name		1			Select from Tag List
	2	0002	Company Address		1			
	3	0003	Company Contact		1			Search for Tag Number
	4	0030	Line		1			Dearch for Fag Number
	5	0004	Invoice Number		1			Course for Tax blanca
	6	0015	Customer Account Code		1			Search for Tag Name
	7	0016	Customer Tax Number		1			
	8	0005	Company Tax Number		1			
	9	0028	Currrency		1			
	10	0006	Invoice Date		1			
	11	0029	Line		1			
	12	0007	Customer Name		1		Current Tag Focus	t
	13		Customer Address		1			
	14	-	Customer Address		1		tow/ 8	
	15		Customer Address		1		0005	
	16	U. Chatter of the	Customer Address		1		ag m	ager (
	17	and a second sec	Customer Address		1	148	ame Company Tax Numbe	*
	18	2	Customer Address		1			
	19		Line		1			Open the Tag Macro
	20	V DODRACOVIC	Currency		1			
	21	A CONTRACT	Unit Call		1			
	22	-	*** unit dependent		1			
	23		*** unit dependent		1			
Ses	24		*** unit dependent		1			
É	25	0022	*** unit dependent		1			
0.96	Nex	Pre Add Ins	Ed Del					

### Slide 26 - Slide 26

🛃 IES Client v8.29 : My						-	. 🗆 🔀
Help Submit Quit Functio	ins Commands						
· · · · · · · · · · · · · · · · · · ·	9	• •	« »	inin ini ili	in the second	4 V	×
	T	EMPLATE (	017: Alpha-Ni	umeric fro	m Data Source	e	
							-
	TAG #	0005				Ú.	
	Name	Company Tax Number		Tag Addressing	relative	•	
	Data Causa #	DOCWRITESPRE					
	Data Source #						
	Mutti Value #	1		Display Mask			
					[		
				Alignment Result Width	1: left justified 40	<u> </u>	
				Bold ?	normal	•	
		Remove Template	Copy Template	Underline ?	normal	•	
		Reveal Logic	Save	Tag Result	always return a result	t •	
		Iteveal Logic	Jave	Operator	=	t <u>•</u>	
				Conditional Value			
Session Info: Terry is usin	g IES						
Devtool	📑 Application	Wizard	🊡 Tag Template: Alpha-ni	umeric From 🛛 🔂 BG	FRIEND-TAG-TEMPLATE17	2010/08/13 10:	:17:56

#### Slide notes

And on the Tag Template, we can see that we are using a Data Source called DOCWRITESPRE, and we are using Data Field number 23.

### Slide 27 - Slide 27

🜌 IES Client v8.29 : My IES					-	. 🗆 🔀
Help Submit Quit Functions Commands						
e (?) Q,	• •	« »	and the second s		* 🗸	×
		17 Alpha-Nu	meric fro	m Data Source		
	EMPERIEU	п. мрна-ни	menc no	in Data Source		
TAG #	8085				$\bigcirc$	
Name	Company Tax Number		Tag Addressing	relative	•	
				1		
	DOCWRITESPRE					
Data Field #	1		Sector March			
Mutti Value #	-		Display Mask			
			Alignment	1: left justified	•	
			Result Width	40		
				normal	•	
	Remove Template	Copy Template	Underline ?	Inormat		
				-		
	Reveal Logic	Save	Tag Result	always return a result	•	
			Operator Conditional Value	=	<u> </u>	
			Conditional value			
Session Info: Terry is using IES						
🗊 Devtool 🔄 Application	Wizard	🍃 Tag Template: Alpha-nur	neric From 🛛 ᇘ BGF	FRIEND-TAG-TEMPLATE17	2010/08/13 10	:17:57

### Slide 28 - Slide 28

		t v8.29													-	
Help	Submit	Quit F	unction	s Comma	ands											
		2	_	9	_		Ð	_	~~		in in	-	i.		<ul> <li>Image: A second s</li></ul>	×
					T	EMPL	ATE	117-	Alph	a-Nr	meric	fro	m Data Sour	ce		
					4	Cunc C			Aipii	a-110	mene		n Data Sour			
					TAG #	0005									$\bigcirc$	
					Name	Company Ta	x Number				Tag Adı	dressing	relative		•	
													,			
					Data Source #											
					Data Field # Mutti Value #	23	1									
					WUE Value #		-				Dispi	ay Mask				
											Д	lignment	1: left justified		•	
											Res	ult Width	40			
													normal		• •	
						Remove Te	mplate		Copy Tem	plate	Un	denine 7	normal			
						Revea	<u>l Logic</u>			Save		ig Result	always return a res	sult	•	
												Operator	=		<u> </u>	
											Condition	al Value				
Sessi	on Info:	Terry is	s using	IES												
0	Devtool				Application	n Wizard		<b>b</b> 1	ag Template	Alpha-nu	meric From	5. BGF	RIEND-TAG-TEMPLATE17	<b>()</b> 201	10/08/13 10:	18:00
0.0																
		Terry is	s using	IES	Application	h Wizard		Ъ	ag Template	Alpha-nu	meric From	5 BOF	RIEND-TAG-TEMPLATE17	<b>()</b> 201	10/08/13 10:	18:00

### Slide 29 - Slide 29

嶜 IES Client v8.29 : My						-	
Help Submit Quit Functio	ns Commands						
	Q	e e e e e e e e e e e e e e e e e e e	~~~ »»	and the second		5 Ø	×
	Т	EMPLATE 0	17: Alpha-Ni	umeric fro	m Data Source		
						0	-
	TAG #	8085					
	Name	Company Tax Number		Tag Addressing	relative	<u> </u>	
	Data Source #	DOCWRITESPRE					
	Data Field #	23					
	Mutti Value #	1		Display Mask			
				Alignment	1: left justified	•	
				Result Width	40		
				Bold ?	normal	•	
		Remove Template	Copy Template	Underline ?	horman		
					1		
		Reveal Logic	Save	Tag Result	always return a result	•	
				Operator Conditional Value		Ĭ	
							_
Session Info: Terry is usin	a IES						
Devtool	Application	n Wizard	훩 Tag Template: Alpha-ni	umeric From 🛛 📮 BGI		<b>3</b> 2010/08/13 10:	18:03
50 °C							

# Slide 30 - Slide 30

🧖 II	ES Client	v8.29 : My I	ES					
Help	Submit	Quit Functions	s Commands					
-				(J) (C				x (2) (X)
-		0	s	<u> </u>				
		<i>Ť</i>						
	1 Consol	e <u>2</u> Pre Ru	n <u>3</u> The Tags <u>4</u> Options					
	2	1.5						
a).								
	Tag	Result Macro	e1				Where is that tag	
	Contraction ( No. 1 and	>>> Tags	Value Names	Ext	ec It		where is that tag	La.
	1	and the second	Company Name		1			Select from Tag List
	2		Company Address		1			Scientificial Field
	3	0003	Company Contact		1			Search for Tag Number
	4	0030	Line		1			<u>bearch for rag Number</u>
	5	0004	Invoice Number		1			
	6	0015	Customer Account Code		1			Search for Tag Name
	7	0016	Customer Tax Number		1			
	8	0005	Company Tax Number		1			
	9	0028	Currrency		1			
	10		Invoice Date		1			
	11	a special sector	Line		1			
	12		Customer Name		1		Current Tag Foc	IS: -
	13		Customer Address		1			
	14	-	Customer Address		1	R	tow 8	
	15		Customer Address		1		ag # 0005	
	16		Customer Address		1		ame Company Tax Num	ber
	17		Customer Address		1	14		
	18 19	-	Customer Address Line		1			Open the Tag Macro
	20	A CONTRACTOR AND A CONTRACT	Currency		1			open me ruq maero
	20	V 3.349647	Unit Call		1			
	22		*** unit dependent		1			
	23	-	*** unit dependent		1			
See	24	a province of	*** unit dependent		1			
	25		*** unit dependent		1			
É	blow	Pre Add Ins	Ed Del		4			
	Mex	Pre Add Ins	Ed   Der					

# Slide 31 - Slide 31

۱ 🛃	ES Client	v8.29 : My I	ES					
Help	Submit	Quit Functions	Commands					
-		0		(J) (C)				
-	1999 B		* · · · · ·	J 10				
		1 <sup>2</sup>	-					
	1 Console	e <u>2</u> Pre Run	n <u>3</u> The Tags <u>4</u> Options					
-	2							
in a								
	Tag	Result Macros					Where is that tag !	
		>>> Tags	Value Names	Exe	c It		where is that tay :	
	1	and the second	Company Name		1			Select from Tag List
	2	0002	Company Address		1			
	3	0003	Company Contact		1			Search for Tag Number
	4	0030	Line		1			Dealer for Tay Number
	5	0004	Invoice Number		1			On and the Tax Manage
	6	0015	Customer Account Code		1			Search for Tag Name
	7	0016	Customer Tax Number	10 10 10 10 10 10 10 10 10 10 10 10 10 1	1			
	8	1 10 10 10 10 10 10 10 10 10 10 10 10 10	Company Tax Number		1			
	9		Currrency		1			
	10	0006	Invoice Date		1			
	11	s problem and a	Line		1			
	12	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Customer Name		1		Current Tag Focus:	-
	13		Customer Address		1			
	14	-	Customer Address		1	Ro	iw/ 8	
	15 16	and the second se	Customer Address Customer Address		1	Tai	# 0005	
	16		Customer Address Customer Address		1	Na		50
	17	-	Customer Address		1			
	10	-	Line		1			Open the Tag Macro
	20	0017	Currency		1			
	21	V 3036367	Unit Call		1			
	22		*** unit dependent		1			
	23	-	*** unit dependent		1			
Ses	24	a proposition of the second	*** unit dependent		1			
É	25	0022	*** unit dependent		1			
E	Nev	Pre Add Ins	Ed Del		43			
	Tdex 1	To Letter 142						

### Slide 32 - Slide 32

🧖 II	ES Client	v8.29 : My I	ES								_ 🗆 🖂
Help	<u>S</u> ubmit	Quit Eunctions	; <u>⊂</u> ommands								
-				(J) ((			-		-		x
	1000	0	4. · · · · · · · · · · · · · · · · · · ·	<b>e e e e e e e e e e</b>	<i>»</i>		_		50	<u>v</u>	<u> </u>
	<u>1</u> Console	e <u>2</u> Pre Rur	n <u>3</u> The Tags <u>4</u> Options	_		-		-			
		Result Macro					V	Vhere is that tag !			
		>>> Tags	Value Names	Exe	ec It						
	1		Company Name		1				Select:	from Taq	<u>List</u>
	2	0002	Company Address		1						
	3	0003	Company Contact		1				Search for	Taq Num	iber
	4	0030 0004	Line Invoice Number		1						
	5	0004	Customer Account Code		1				Search f	or Tag Na	ime
	7	0015	Customer Tax Number		1						
	8	0005	Company Tax Number		1						
	9	0028	Currrency		1						
	10	0006	Invoice Date		1						
	11		Line		1						
	12	0007	Customer Name		1						
	13	0008	Customer Address		1		(	Current Tag Focus:	2		
	14	0009	Customer Address		1		0				
	15		Customer Address		1		Row	8			
	16	0011	Customer Address		1	T	ag m	005			
	17	0012	Customer Address		1	N	Jame C	ompany Tax Number	5		
	18	0013	Customer Address		1						
	19	0014	Line		1				Open th	he Taq Ma	acro
	20	0017	Currency		1						
	21	0018	Unit Call		1						
	22	0019	*** unit dependent		1						
	23	0020	*** unit dependent		1						
See	24	0021	*** unit dependent		1						
É	25	0022	*** unit dependent		1						
	<u>N</u> ex F	Pre Add Ins	Ed Del								

## Slide notes

So let's look at our Data Sources used for this Report.

### Slide 33 - Slide 33

🖉 IES Client v8.29 : My IES			
Help Submit Quit Eunctions Commands			
e e e	♥ Ø «	» iī	(4) (V) (V)
1 Console 2 Pre Run 3 The Tags 4	1 Options		
	PRE RUN PARAMETERS: -	Pre Run Assist	
Pre Run Process	. <u>I</u>		
Results File Results Key	docwritespre *user		
Proceed on Field # Conditional Value			
	DIRECT REFERENCE DATA SOURCES: -		
	Data Sources	Data Keys	
	l docwritespre	usercode	
			-
Sec			
See É			

### Slide notes

And, yes, we can see that our Data Source number 1 is also 'docwritespre'.

### Slide 34 - Slide 34

🖉 IES Client v8.29 : My IES			
Help Submit Quit Eunctions Commands			
(?) Q,	<b>»</b> () <b>«</b>	»	🔅 🐼 🔅
1 Console 2 Pre Run 3 The Tags	4 Options		
	PRE RUN PARAMETERS: -	Pre Run Assist	
Pre Run Process			
Results File	docwritespre		
Results Key			
Proceed on Field #	*		
Conditional Value			
	DIRECT REFERENCE DATA SOURCES: -		
	Data Sources	Data Keys	
<u>Nex</u>	1 docwritespre Pre Add Ins Ed Del	usercode	
É			

### Slide 35 - Slide 35

Transaction Line Detail (multi valued), Local Currency	Next
Pocument         Retail Invoice, Point of Sale       - Direct Data Layout         The Retail Invoice Data are pre-formatted to a 'docwritespre' source record before calling         Document Writer. If this report (RETAIL-INV, PETAIL-INV-2, RETAIL-INV-FX, RETAIL-INV-FX-2)         is re-created as a modified version (swap), then the data layout may be accessed as follows: -         Field #       Data         Transaction Line Detail (multi valued), Invoice Currency e.g. Local or Forex         1,n       Transaction Date         2,n       Description         3,n       I tem Code         4,n       Quantity         5,n       Amount (inclusive)         6,n       Line Tax         7,n       Amount (exclusive)         8,n       Line Discount Amt         9,n       Serial / Batch No         10,n       * if sale and not delivered now         Transaction Line Detail (multi valued), Local Currency	
Retail Invoice, Point of Sale       - Direct Data Layout         The Retail Invoice Data are pre-formatted to a 'docwritespre' source record before calling         Document Writer. If this report (RETAIL-INV, RETAIL-INV-2, RETAIL-INV-FX, RETAIL-INV-FX-2)         is re-created as a modified version (swap), then the data layout may be accessed as follows: -         Field #       Data         Transaction Line Detail (multi valued), Invoice Currency e.g. Local or Forex         1,n       Transaction Date         2,n       Description         3,n       Item Code         4,n       Quantity         5,n       Amount (inclusive)         6,n       Line Tax         7,n       Amount (exclusive)         8,n       Line Discount Amt         9,n       Serial / Batch No         10,n       * if sale and not delivered now         Transaction Line Detail (multi valued), Local Currency	Nex
The Retail Invoice Data are pre-formatted to a 'docwritespre' source record before calling Document Writer. If this report (RETAIL-INV, RETAIL-INV-2, RETAIL-INV-FX, RETAIL-INV-FX-2) is re-created as a modified version (swap), then the data layout may be accessed as follows: - Field # Data 	Nex
The Retail Invoice Data are pre-formatted to a 'docwritespre' source record before calling Document Writer. If this report (RETAIL-INV, RETAIL-INV-2, RETAIL-INV-FX, RETAIL-INV-FX-2) is re-created as a modified version (swap), then the data layout may be accessed as follows: - Field # Data 	
The Retail Invoice Data are pre-formatted to a 'docwritespre' source record before calling Document Writer. If this report (RETAIL-INV, RETAIL-INV-2, RETAIL-INV-FX, RETAIL-INV-FX-2) is re-created as a modified version (swap), then the data layout may be accessed as follows: - Field # Data 	
Document Writer. If this report (RETAIL-INV, RETAIL-INV-2, RETAIL-INV-FX, RETAIL-INV-FX-2) is re-created as a modified version (swap), then the data layout may be accessed as follows: - Field # Data 	
Transaction Line Detail (multi valued), Invoice Currency e.g. Local or Forex         1,n       Transaction Date         2,n       Description         3,n       Item Code         4,n       Quantity         5,n       Amount (inclusive)         6,n       Line Tax         7,n       Amount (exclusive)         8,n       Line Discount Amt         9,n       Serial / Batch No         10,n       * if sale and not delivered now         Transaction Line Detail (multi valued), Local Currency	
Transaction Line Detail (multi valued), Invoice Currency e.g. Local or Forex         1,n       Transaction Date         2,n       Description         3,n       Item Code         4,n       Quantity         5,n       Amount (inclusive)         6,n       Line Tax         7,n       Amount (exclusive)         8,n       Line Discount Amt         9,n       Serial / Batch No         10,n       * if sale and not delivered now	
2,n Description 3,n Item Code 4,n Quantity 5,n Amount (inclusive) 6,n Line Tax 7,n Amount (exclusive) 8,n Line Discount Amt 9,n Serial / Batch No 10,n * if sale and not delivered now Transaction Line Detail (multi valued), Local Currency	
3,n       Item Code         4,n       Quantity         5,n       Amount (inclusive)         6,n       Line Tax         7,n       Amount (exclusive)         8,n       Line Discount Amt         9,n       Serial / Batch No         10,n       * if sale and not delivered now	Make a copy - Text Copy
4,n       Quantity         5,n       Amount (inclusive)         6,n       Line Tax         7,n       Amount (exclusive)         8,n       Line Discount Amt         9,n       Serial / Batch No         10,n       * if sale and not delivered now         Transaction Line Detail (multi valued), Local Currency	
5,n       Amount (inclusive)         6,n       Line Tax         7,n       Amount (exclusive)         8,n       Line Discount Amt         9,n       Serial / Batch No         10,n       * if sale and not delivered now         Transaction Line Detail (multi valued), Local Currency	
6,n       Line Tax       Search Ph         7,n       Amount (exclusive)       Search Ph         8,n       Line Discount Amt       Search Ph         9,n       Serial / Batch No       Search Ph         10,n       * if sale and not delivered now       Search Ph         Transaction Line Detail (multi valued), Local Currency       Search Ph	
7,n Amount (exclusive) 8,n Line Discount Amt 9,n Serial / Batch No 10,n * if sale and not delivered now Transaction Line Detail (multi valued), Local Currency	1
8,n Line Discount Amt 9,n Serial / Batch No 10,n * if sale and not delivered now Transaction Line Detail (multi valued), Local Currency	ase .
9,n Serial / Batch No 10,n * if sale and not delivered now Transaction Line Detail (multi valued), Local Currency	
10,n * if sale and not delivered now Transaction Line Detail (multi valued), Local Currency	
Transaction Line Detail (multi valued), Local Currency	
Iransaction Line Detail (multi valued), Local Lurrency	
	Search the IES web on-line documentatio
	by typing a phrase, then choose "search
51,n Amount (inclusive)	
52,n Line Tax	0
53,n Amount (exclusive)	Search
54,n Line Discount Amt	
Totals in Invoice Currency e.g. Local or Forex	
Doo Key dds-layout-05	
Dourley -	

## Slide notes

If we have another look at the Direct Data Source Layout, then we will see that Field number 23 has that Company Tax Number.

### Slide 36 - Slide 36

Slide 37 - Slide 37

- ?				
	<b>Q</b>			<ul> <li>Ø</li> </ul>
Do	ocument			
				Ne
.0,n	* if sale and not delivered now	^		
ransaction Lin	e Detail (multi valued), Local Currency			
il,n	Amount (inclusive)			
i2,n	Line Tax			
i3,n	Amount (exclusive)			
54,n	Line Discount Amt			
'otals in Invoi	ce Currency e.g. Local or Forex	Π		
10	Invoice Total excluding Tax		Make a copy -	10000
11	Invoice Total Tax		make a copy -	Text Cop
12	Invoice Total including Tax			
5	Prepaid Amount or Deposit			
'otals in Local	Currency	Sei	arch Phrase	
51	Invoice Total excluding Tax			
12	Invoice Total Tax			
3	Invoice Total including Tax	_		
54	Prepaid Amount or Deposit		Search the IES web	on-line documentat
ther Indicator:	s		by typing a phrase, t	
.7	Copy (says COPY if it is a copy, else null)			
.8	Invoice or Credit Note			Sean
:0,n	Postal Address Header Lines (multi valued)			
1,n	Physical Address Header Lines (multi valued)			
2	Currency			
e l				
	Dcc Key dds-layout-05	1 Start		

### Slide 38 - Slide 38

Submit Quit F	unctions Commands			
	Q • 0 « » ii 🖷		\$	Ø (
	locument			
	oounion.			
				Ne
		~		
17	Copy (says COPY if it is a copy, else null)			
18	Invoice or Credit Note			
20,n	Postal Address Header Lines (multi valued)			
21,n	Physical Address Header Lines (multi valued)			
22	Currency			
23	Company Tax No			
24	Company Address Line			
25	Company Contact Line			
26	Payment Terms			
27	Message		Market of Second	
28	Invoice Number (system version)		Make a copy -	Text Cop
29 41	Invoice Date			
41 42	Customer AR Debtor Code			
42 43	Customer Cross Ref Acct Number (their Account number for us) Customer Name			
43 44	Customer Name Customer Tax No		and the second	
44 45	Customer Tax No Customer Tax No Date	Sea	arch Phrase	
46,n	Customer Billing Address			
40,11	8-digit Invoice No			
48	4-digit Invoice Year			
49	2-digit Invoice Year			
71	Tax Date Range		Search the IES web o	on-line documentat
72	Signatory: name	-	by typing a phrase, th	nen choose "searc
73	Signatory: Position / Title	1	.,.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
74	Rate: FX Conversion for TAX (incl decimals, to display as text label)			
75	Rate: FX Conversion for P&L (incl decimals, to display as text label)			Searc
76	Customer Order Number			
	**	~		
c		>		
	Doo Key dds-layout-05	1000		
	Des trace thus -1 dyo ut - 0 3			

# Slide notes

And here it is.

### Slide 39 - Slide 39

Submit Quit	Functions Commands			
?	• • • • • • • • •			<ul> <li>Ø</li> </ul>
	Document			
				- 22.47
				Nex
17	Copy (says COPY if it is a copy, else null)	( report)		
18	Invoice or Credit Note			
20,n	Postal Address Header Lines (multi valued)			
21,n	Physical Address Header Lines (multi valued)			
22	Currency			
23	Company Tax No			
24	Company Address Line			
25	Company Contact Line			
26	Payment Terms			
27	Message			
28	Invoice Number (system version)		Make a copy -	Text Cop
29	Invoice Date			
41	Customer AR Debtor Code			
42	Customer Cross Ref Acct Number (their Account number for us)			
43	Customer Name			
44	Customer Tax No		Search Phrase	
45	Customer Tax No Date	(		
46,n	Customer Billing Address	1.000		
47	8-digit Invoice No			
48	4-digit Invoice Year			
49	2-digit Invoice Year		Search the IES web on-	line documentati
71	Tax Date Range			
72	Signatory: name		by typing a phrase, then	i choose "searci
73	Signatory: Position / Title			
74 75	Rate: FX Conversion for TAX (incl decimals, to display as text label)			Searc
75 76	Rate: FX Conversion for P&L (incl decimals, to display as text label) Customer Order Number			Searc
10	cuscomer order number			
	5 <b>* *</b>	~		
¢		2		
	Doo Key dds-layout-05			
	DOD KBA www.release			

# Slide 40 - Slide 40

Submit Quit	Functions Commands			
?	• • • • • • • • •			<ul> <li>Ø</li> </ul>
	Document			
				- 22.47
				Nex
17	Copy (says COPY if it is a copy, else null)	( report)		
18	Invoice or Credit Note			
20,n	Postal Address Header Lines (multi valued)			
21,n	Physical Address Header Lines (multi valued)			
22	Currency			
23	Company Tax No			
24	Company Address Line			
25	Company Contact Line			
26	Payment Terms			
27	Message			
28	Invoice Number (system version)		Make a copy -	Text Cop
29	Invoice Date			
41	Customer AR Debtor Code			
42	Customer Cross Ref Acct Number (their Account number for us)			
43	Customer Name			
44	Customer Tax No		Search Phrase	
45	Customer Tax No Date	(		
46,n	Customer Billing Address	1.000		
47	8-digit Invoice No			
48	4-digit Invoice Year			
49	2-digit Invoice Year		Search the IES web on-	line documentati
71	Tax Date Range			
72	Signatory: name		by typing a phrase, then	i choose "searci
73	Signatory: Position / Title			
74 75	Rate: FX Conversion for TAX (incl decimals, to display as text label)			Searc
75 76	Rate: FX Conversion for P&L (incl decimals, to display as text label) Customer Order Number			Searc
10	cuscomer order number			
	5 <b>* *</b>	~		
¢		2		
	Doo Key dds-layout-05			
	DOD KBA www.release			

### Slide 41 - Slide 41

🛃 IES (	Client v8.29 : My IES						
Help Su	ubmit Quit Functions Commands						
	, Q	• • •	<b>»</b> ((	<b>&gt;&gt;</b>	0		<ul> <li>×</li> </ul>
1	Console 2 Pre Run 3 The Tag	4 Options	_				
	DOCUMENT WRITER						
	Doc Writer Key	tail-inv			html editor		
			is Which	Design Version Ownership	tt Terry		_
	Object Name	tail Invoice, POS, Copy	1	Last Upd By	Terry		
	Category	Retail & Distribution		Last Upd	22/12/2009		
		💿 🚻 🏈					
	Appearance and Layout	Tag Functions		IES Business Functio	ns	Save my Work	
	Design Layout	Iterat	iive Units	Template Functions		Interim Save	
	Pre-View Layout		ew Tags	Report Flag Functions		Save	4
	Mass Edit Tag Names		<u>; Names</u>	Report Memo Values GL Access Reports			
See				<u></u>			
É							

### Slide notes

So that is how the Metadata function is important and useful for us in our Report Writing.