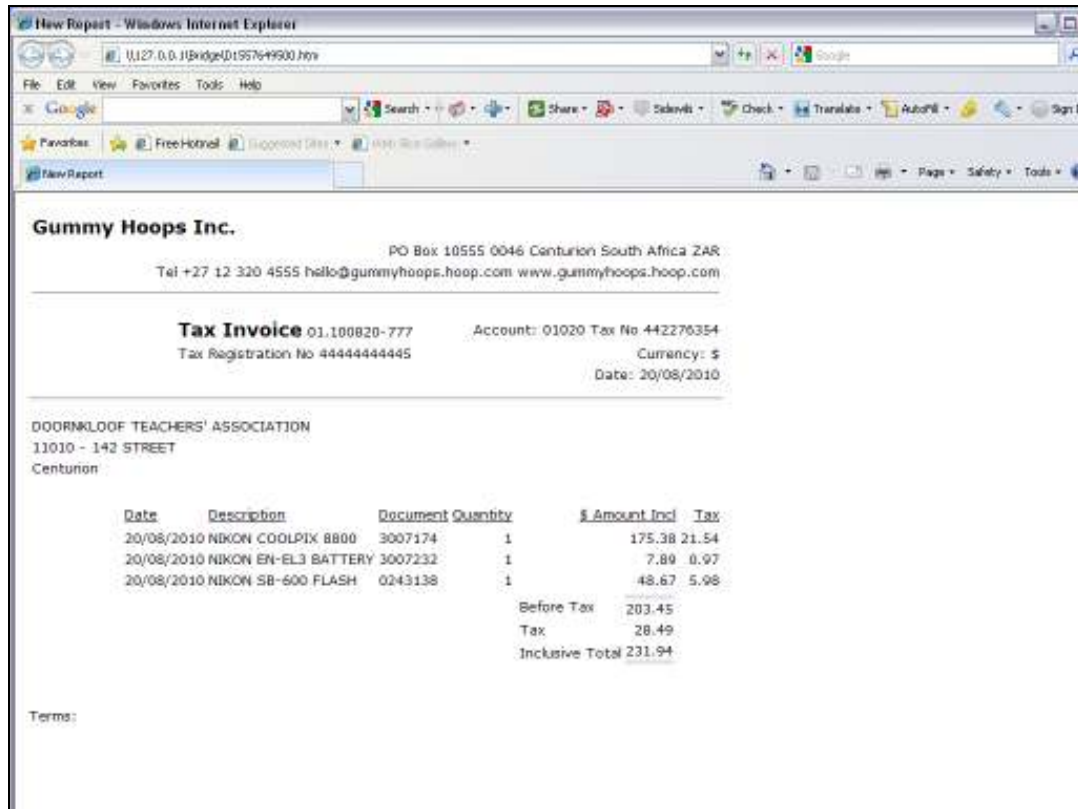


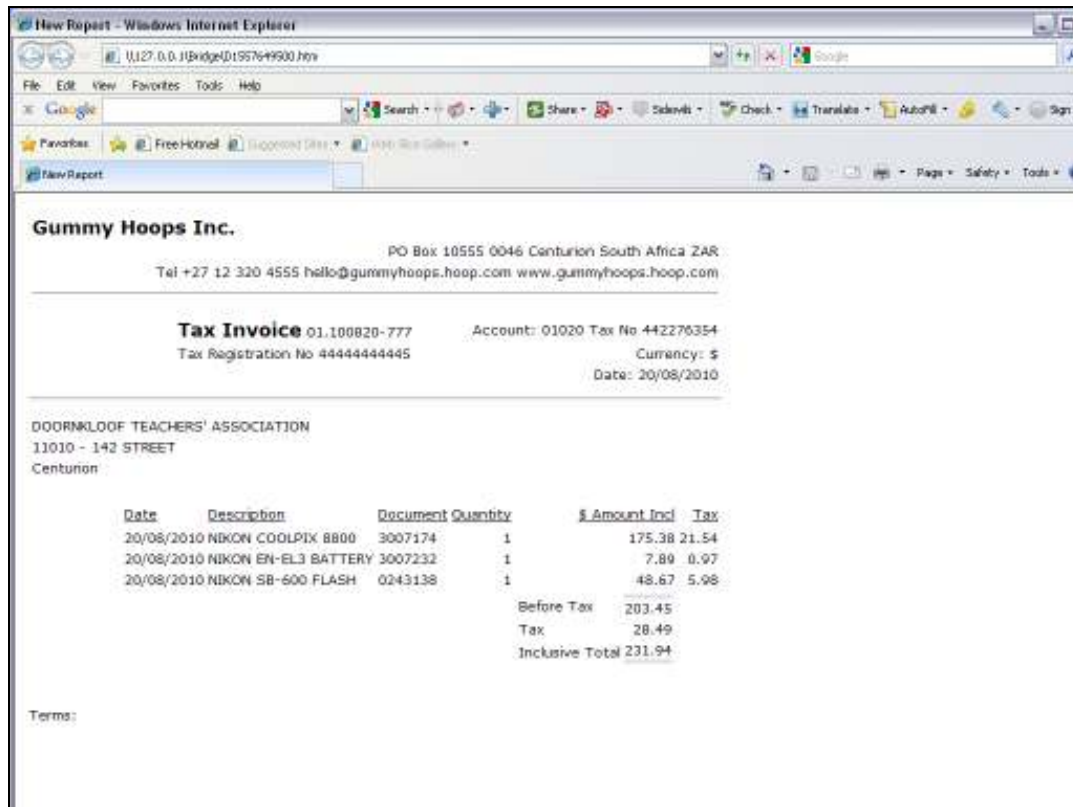
## Slide 1

Slide notes: This is an example of an Invoice. On this Invoice, we use a UNIT to display the Line Items on the Invoice, and in the Unit, we use the 'Alpha-Numeric Iteration' Template for some of the Values.



Slide 2

Slide notes: The Description &amp; Document columns both use this kind of Template.



Slide 3

Slide notes:



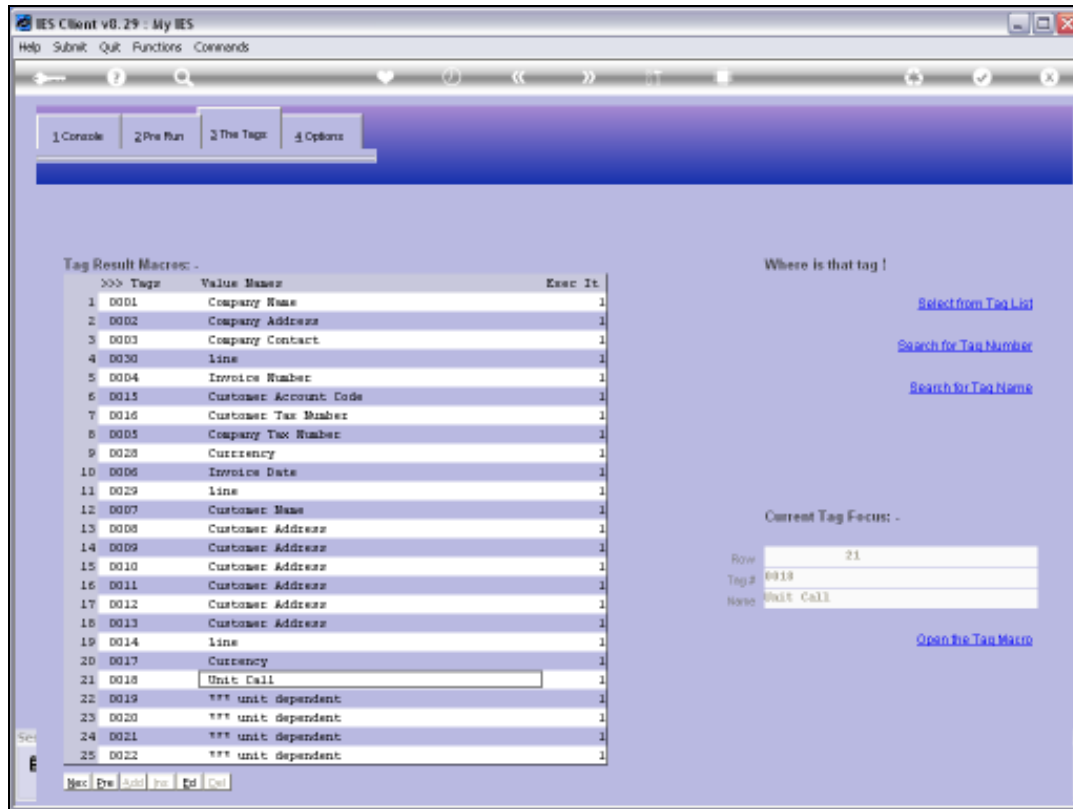
Slide 4

Slide notes: Our example is based on a Retail Invoice Report.



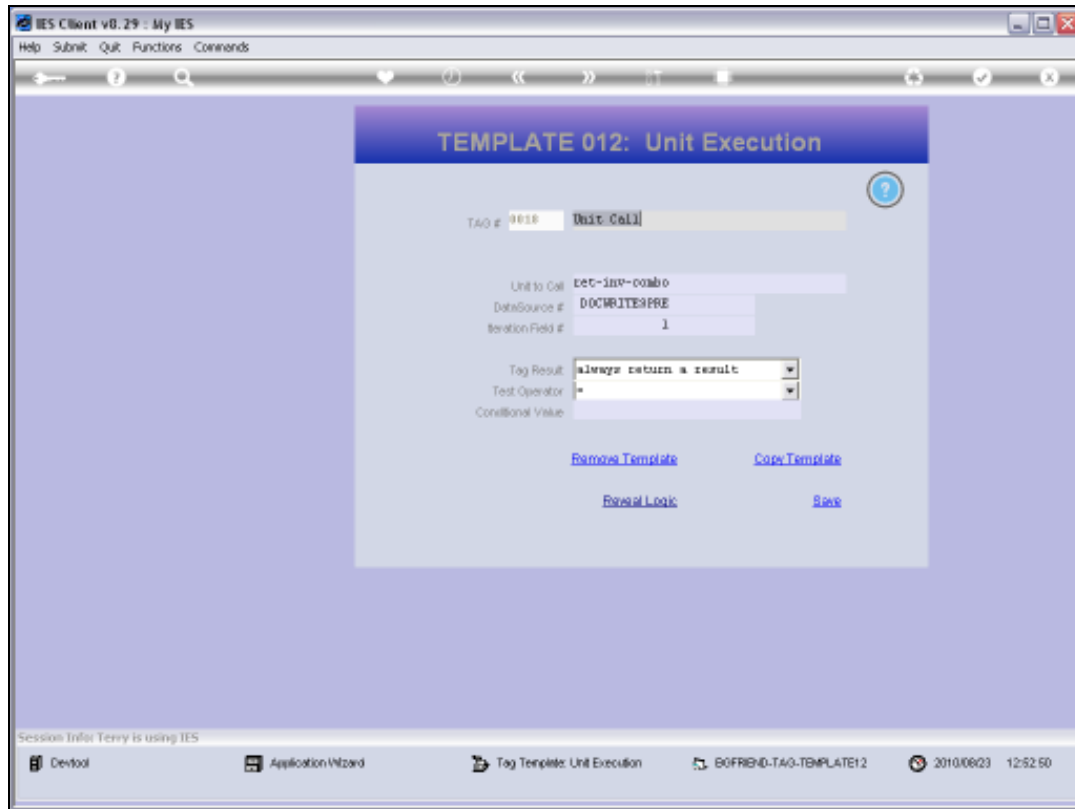
Slide 5

Slide notes:



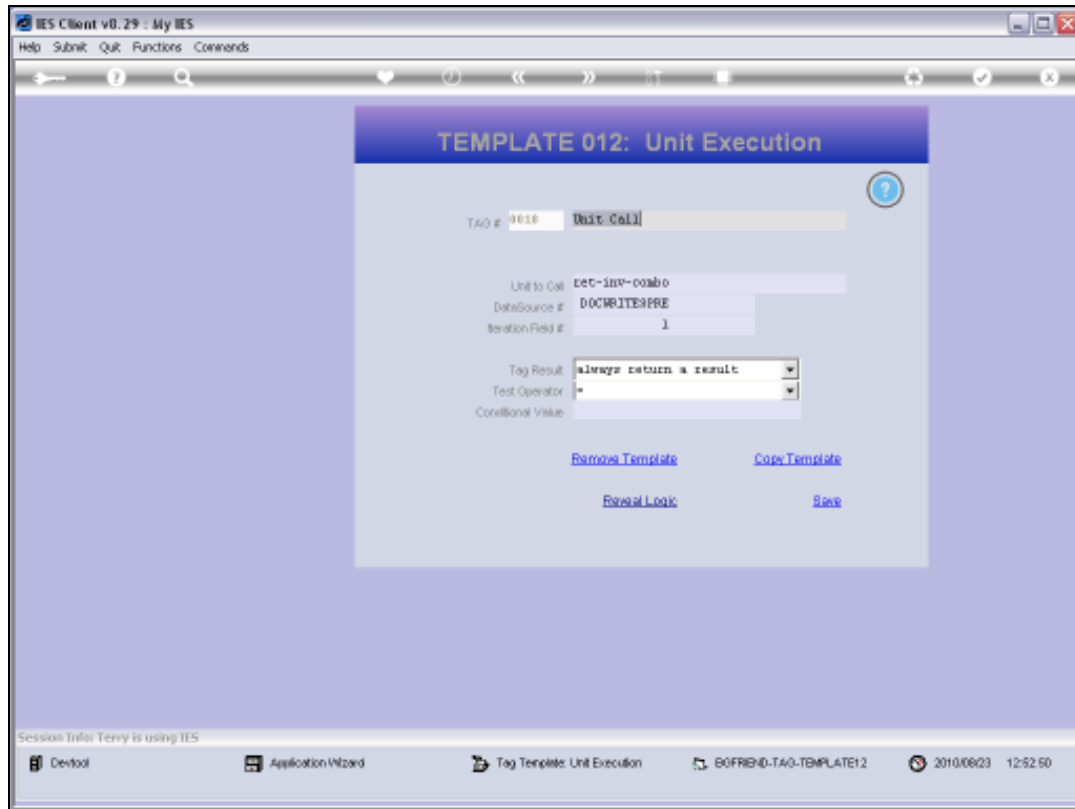
Slide 6

Slide notes: Here we see the Tag in the main Document that calls the Unit.



Slide 7

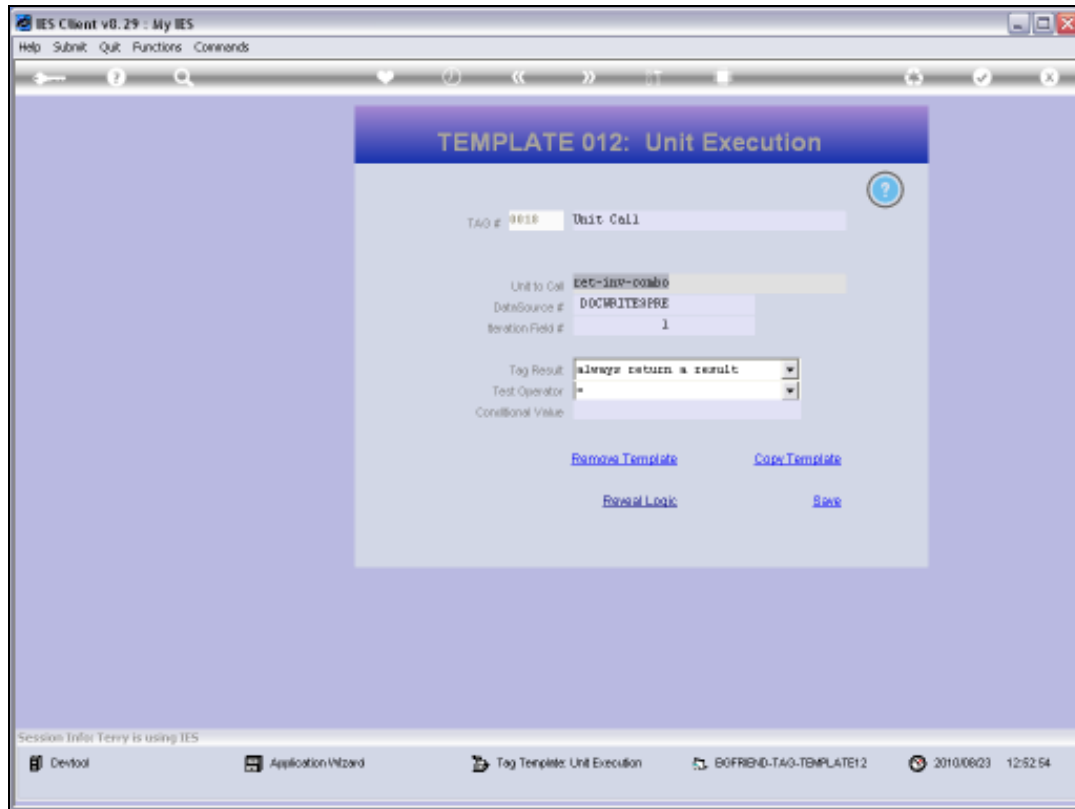
Slide notes:



Slide 8

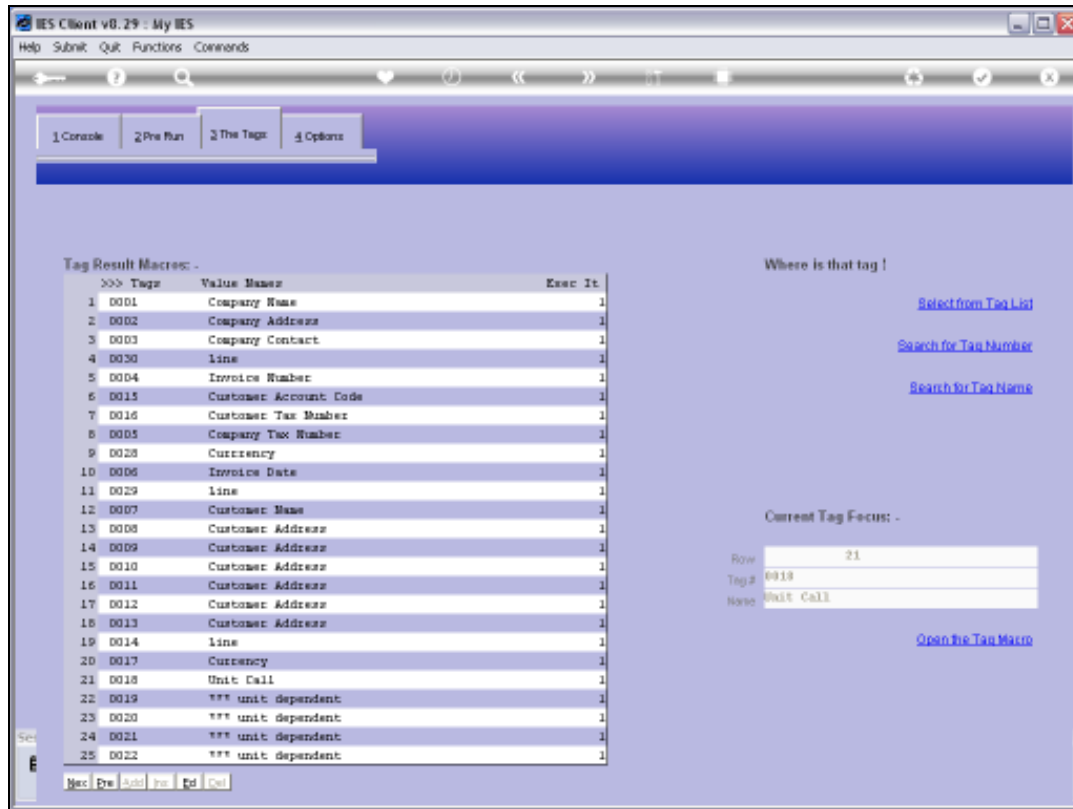
Slide notes:



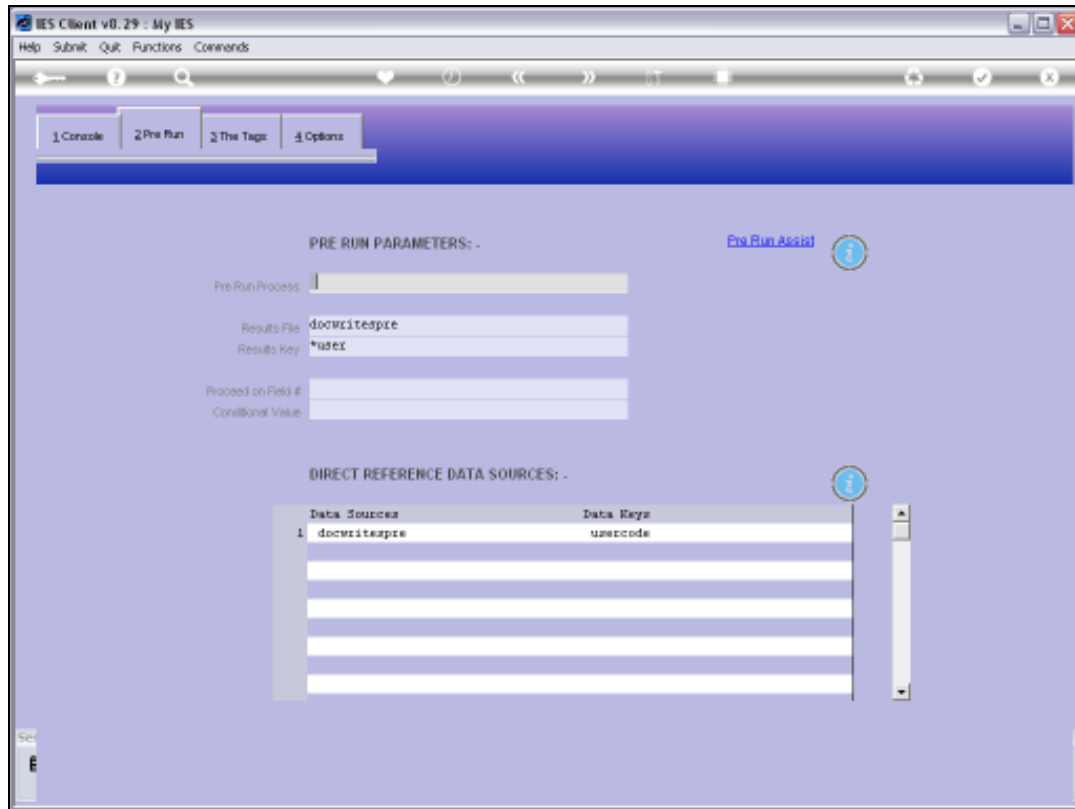


## Slide 9

Slide notes: We note also that this type of Unit Call is based on a Data Source, and for this type of Unit the Data Source is often 'docwritespre', i.e. with a pre-prepared record specifically for the Report.

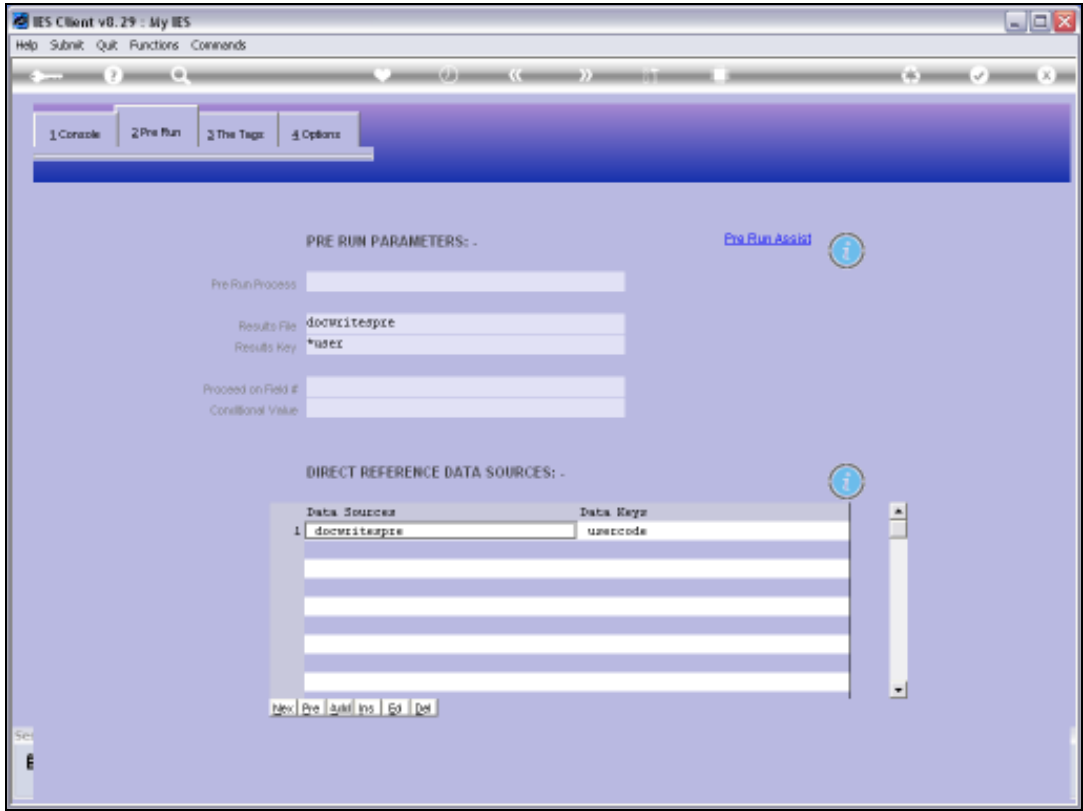


Slide 10  
Slide notes:



Slide 11

Slide notes: Here we can see the Data Source listed.



Slide 12  
Slide notes:



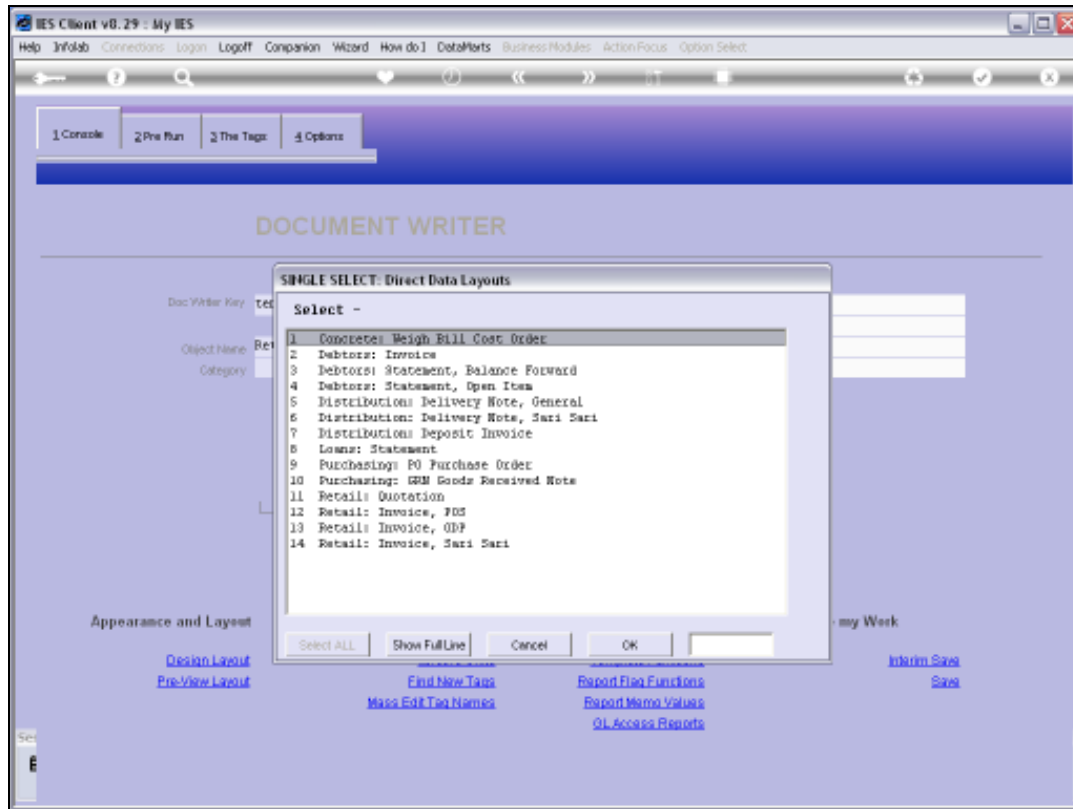
Slide 13

Slide notes:



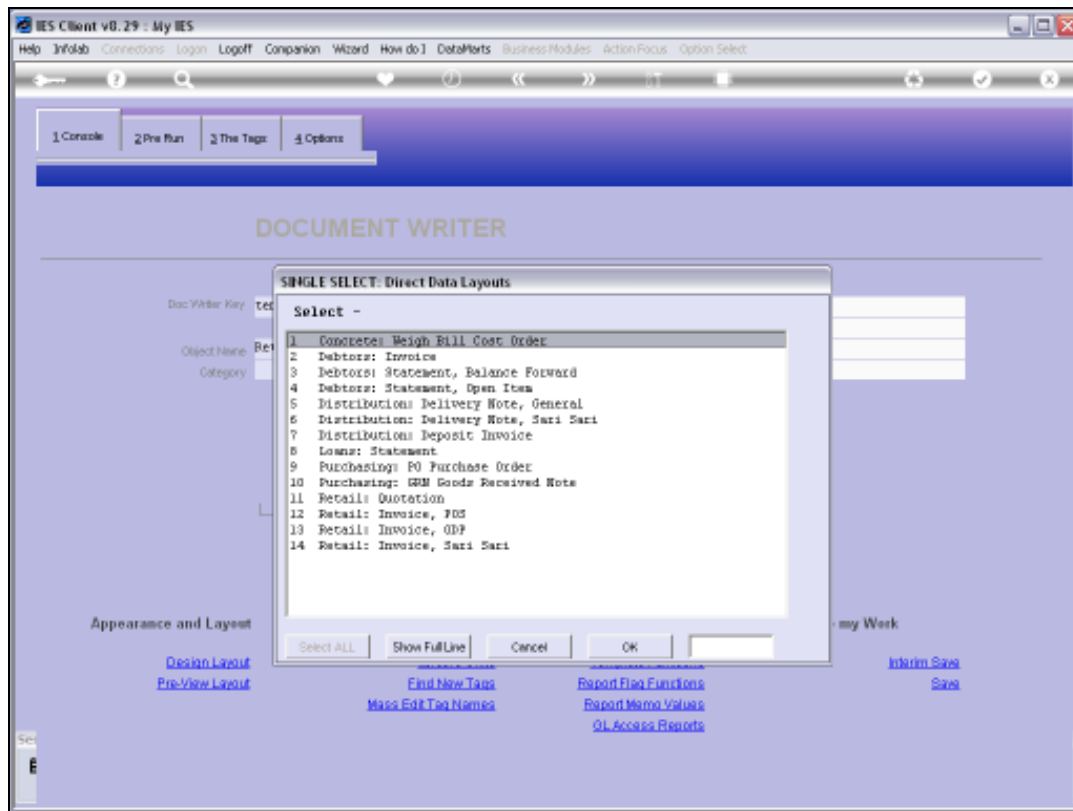
Slide 14

Slide notes:



Slide 15

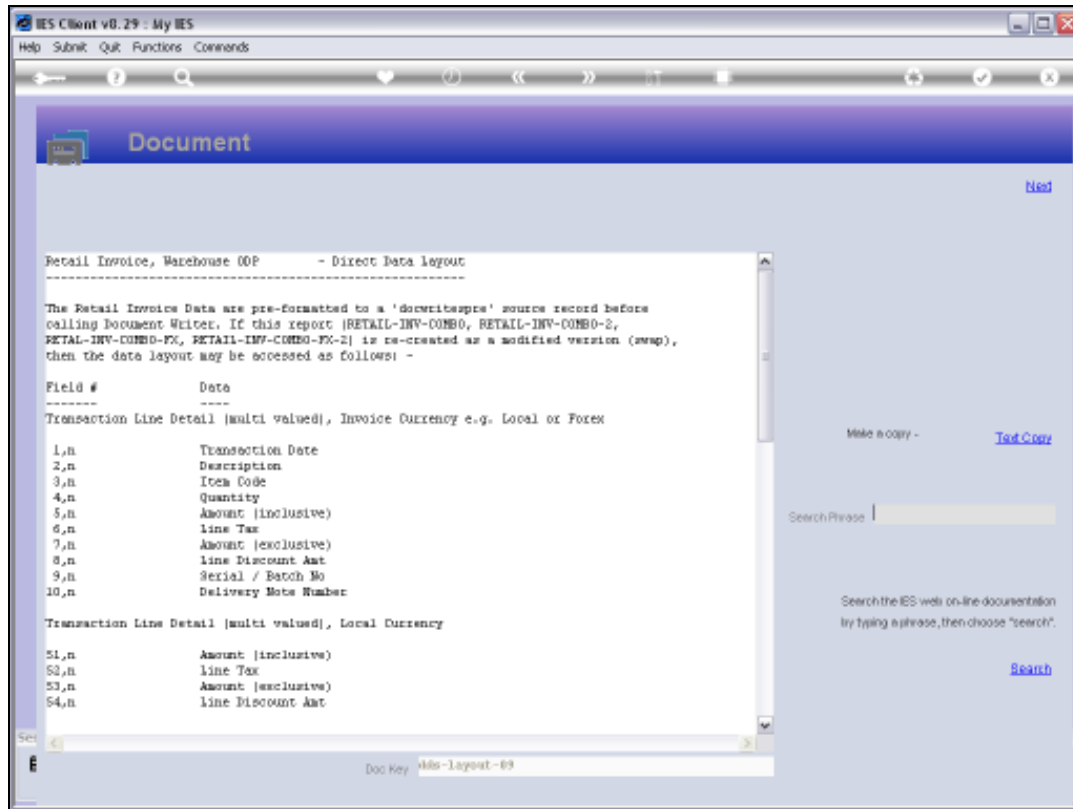
Slide notes:



Slide 16

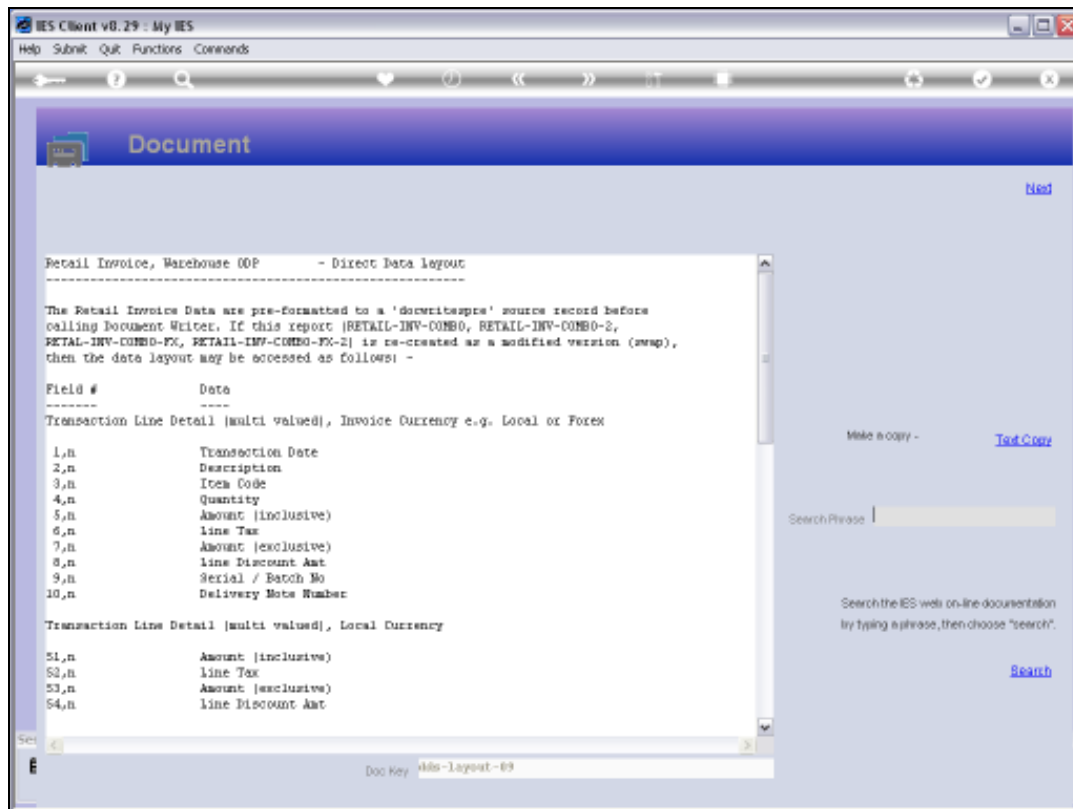
Slide notes: From the Metadata, we can retrieve the Data Source Layout.





Slide 17

Slide notes: We will connect the Tags back to this Layout, to understand where we get the answers from.



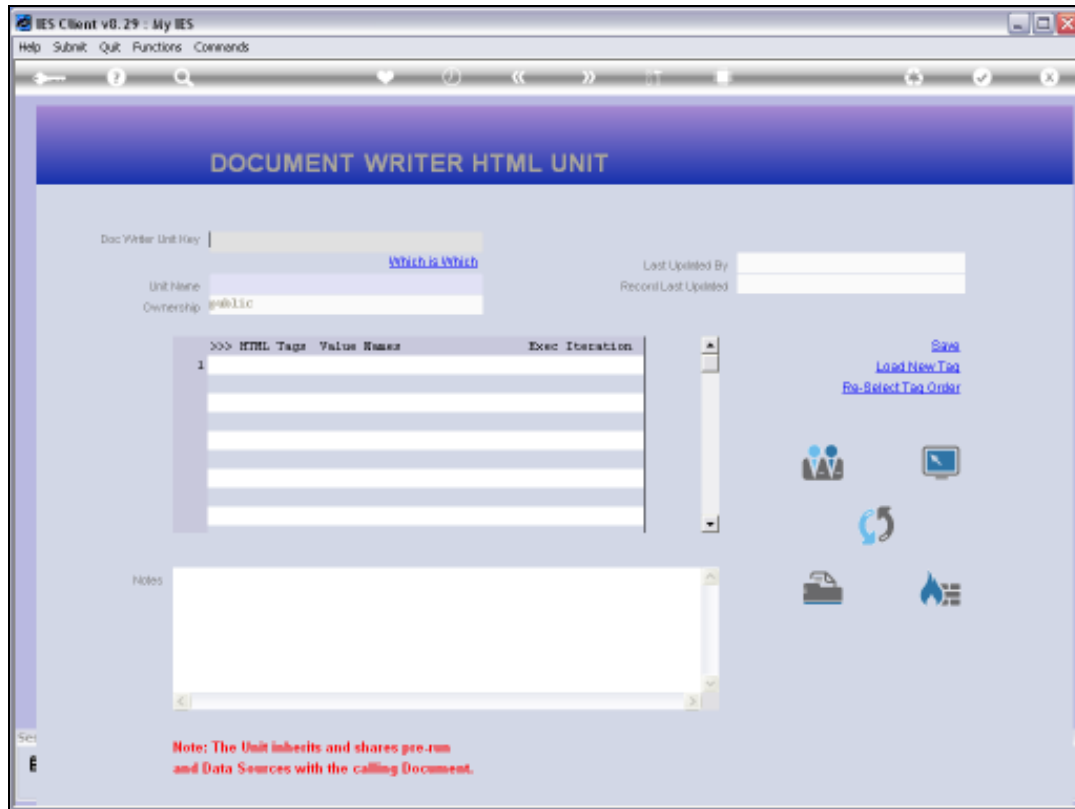
Slide 18

Slide notes:



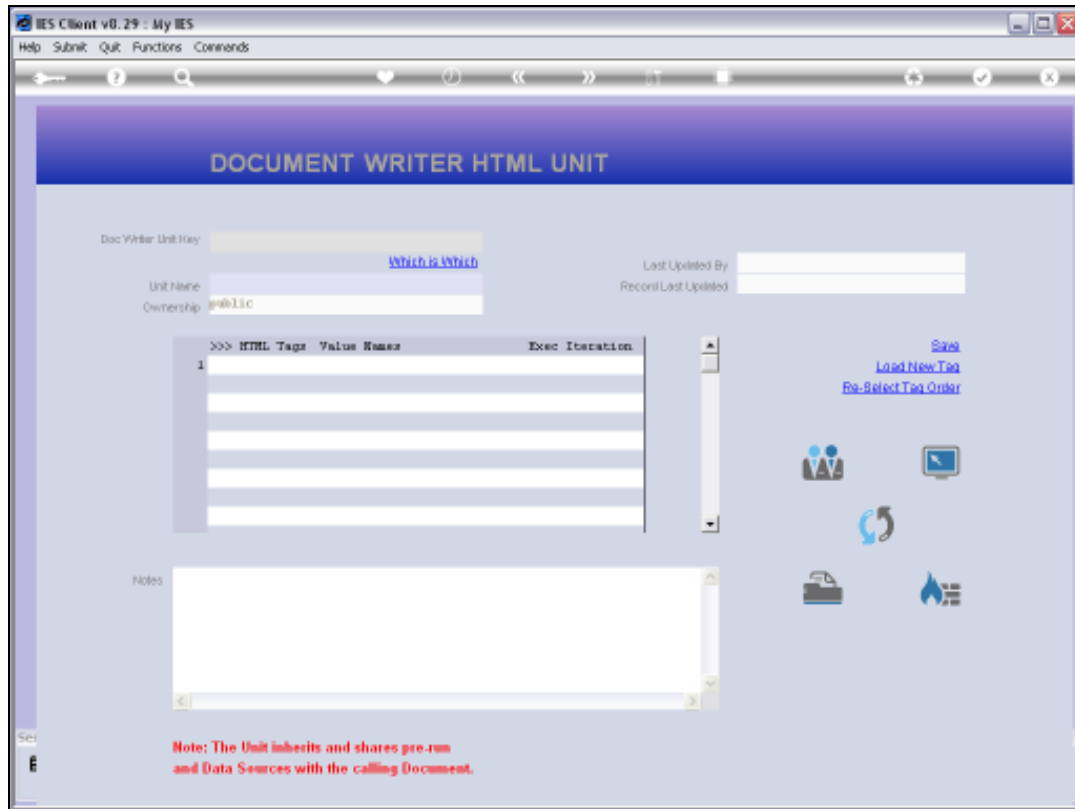
Slide 19

Slide notes:



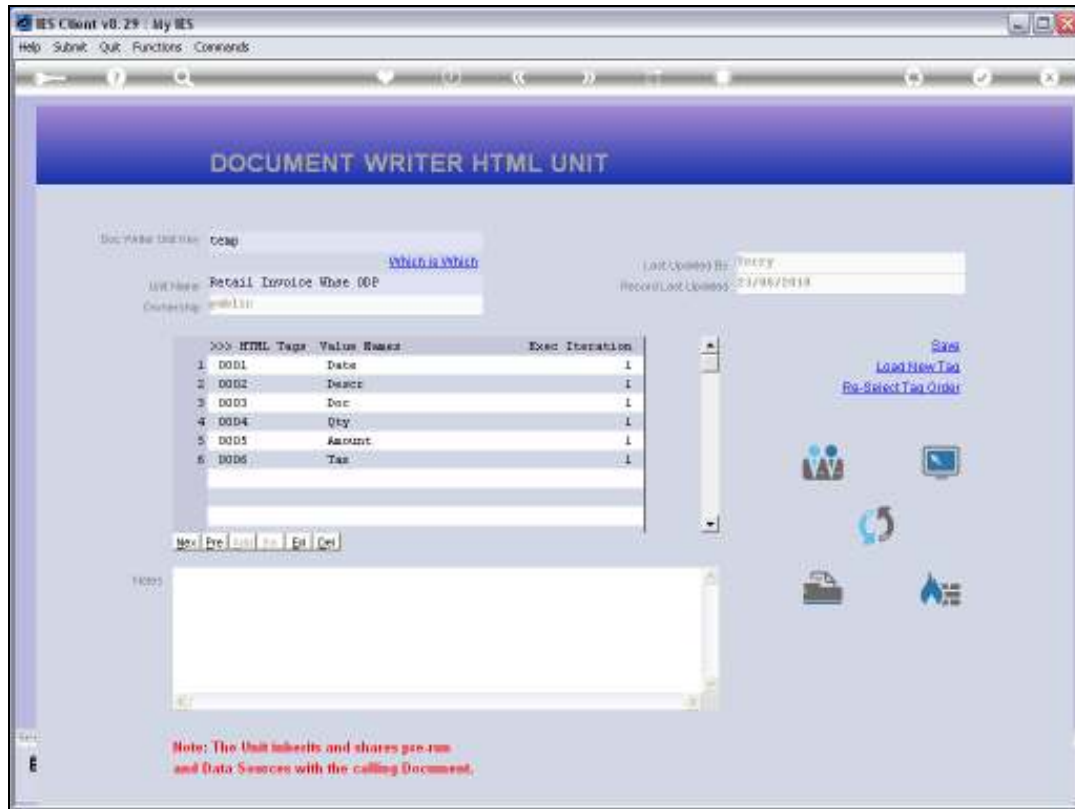
Slide 20

Slide notes:



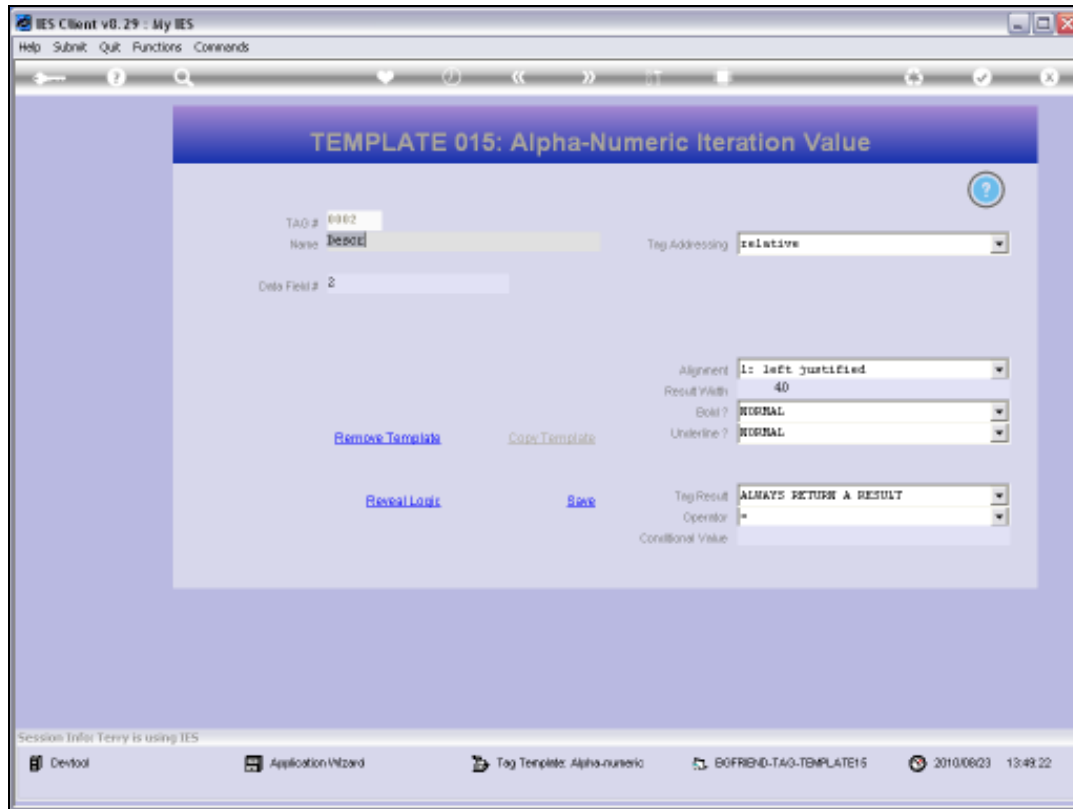
Slide 21

Slide notes:



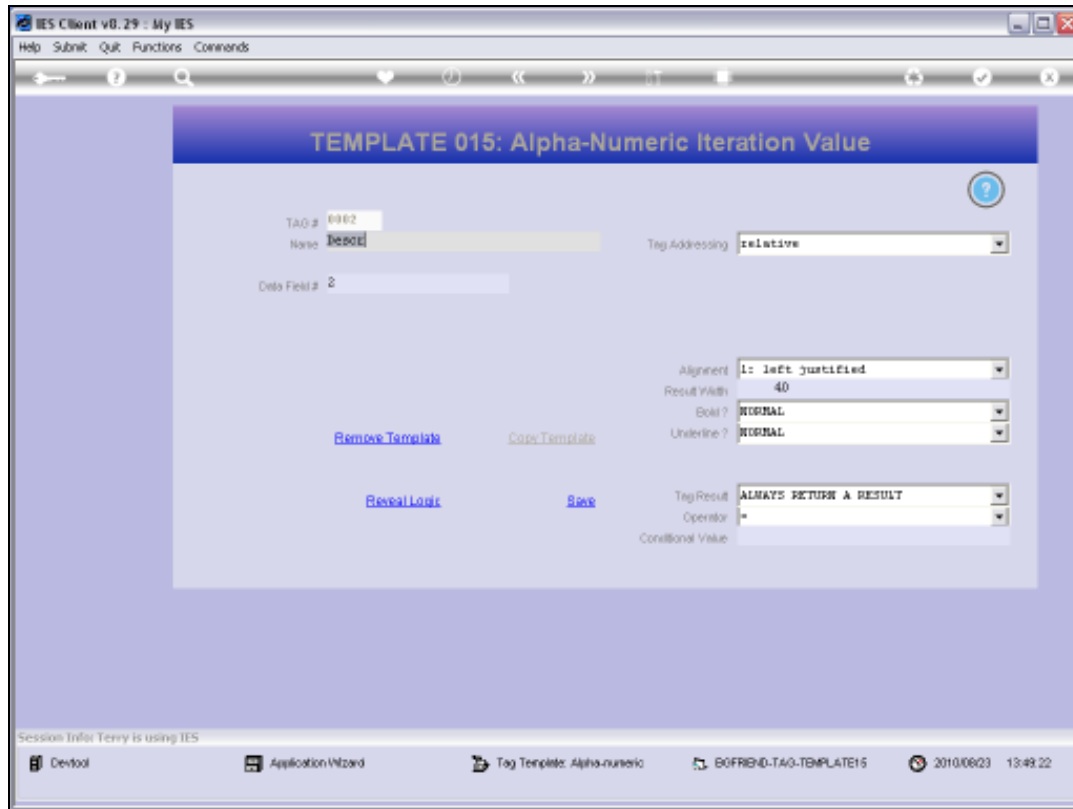
Slide 22

Slide notes: This is our Unit example for this Report, and the 'Description' Tag uses the Template for Alpha-Numeric Iteration.



Slide 23

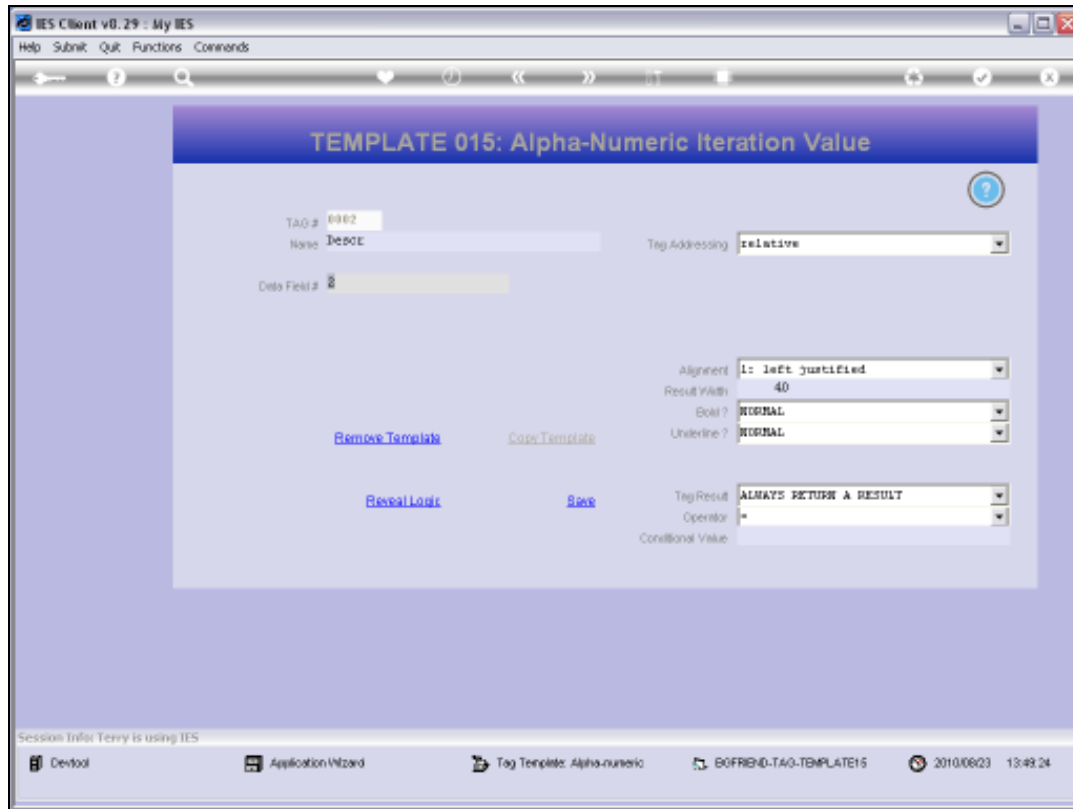
Slide notes:



Slide 24

Slide notes: The answer comes from Data Field number 2, which we can also see on the Data Layout.





Slide 25

Slide notes:

```

T1557646546.TXT - Notepad
File Edit Format View Help
Retail Invoice, Warehouse COP - Direct Data layout
-----
The Retail Invoice Data are pre-formatted to a 'docutilspre' source record before
calling Document Writer. If this report (RETAIL-INV-COMBO, RETAIL-INV-COMBO-2,
RETAIL-INV-COMBO-FX, RETAIL-INV-COMBO-FX-2) is re-created as a modified version (wrap),
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         Delivery Note Number

Transaction Line Detail (multi valued), Local Currency

51,n         Amount (inclusive)
52,n         line Tax
53,n         Amount (exclusive)
54,n         line Discount Amt

Totals in Invoice Currency e.g. Local or Forex

20           Invoice Total excluding Tax
21           Invoice Total Tax
22           Invoice Total including Tax
65           Prepaid Amount or Deposit

Totals in Local Currency

61           Invoice Total excluding Tax
62           Invoice Total Tax
63           Invoice Total including Tax
64           Prepaid Amount or Deposit

Other Indicators

17           Copy (says COPY if it is a copy, else null)

```

Slide 26

Slide notes:

```

T1557646546.TXT - Notepad
File Edit Format View Help
Retail Invoice, Warehouse COP - Direct Data layout
-----
The Retail Invoice Data are pre-formatted to a 'docutilspre' source record before
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RETAIL-INV-COMBO-FX, RETAIL-INV-COMBO-FX-2) is re-created as a modified version (wrap),
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 Amc
9,n          Serial / Batch No
10,n         Delivery Note Number

Transaction Line Detail (multi valued), Local Currency

51,n         Amount (inclusive)
52,n         line Tax
53,n         Amount (exclusive)
54,n         line Discount Amc

Totals in Invoice Currency e.g. Local or Forex

20           Invoice Total excluding Tax
21           Invoice Total Tax
22           Invoice Total including Tax
65           Prepaid Amount or Deposit

Totals in Local Currency

61           Invoice Total excluding Tax
62           Invoice Total Tax
63           Invoice Total including Tax
64           Prepaid Amount or Deposit

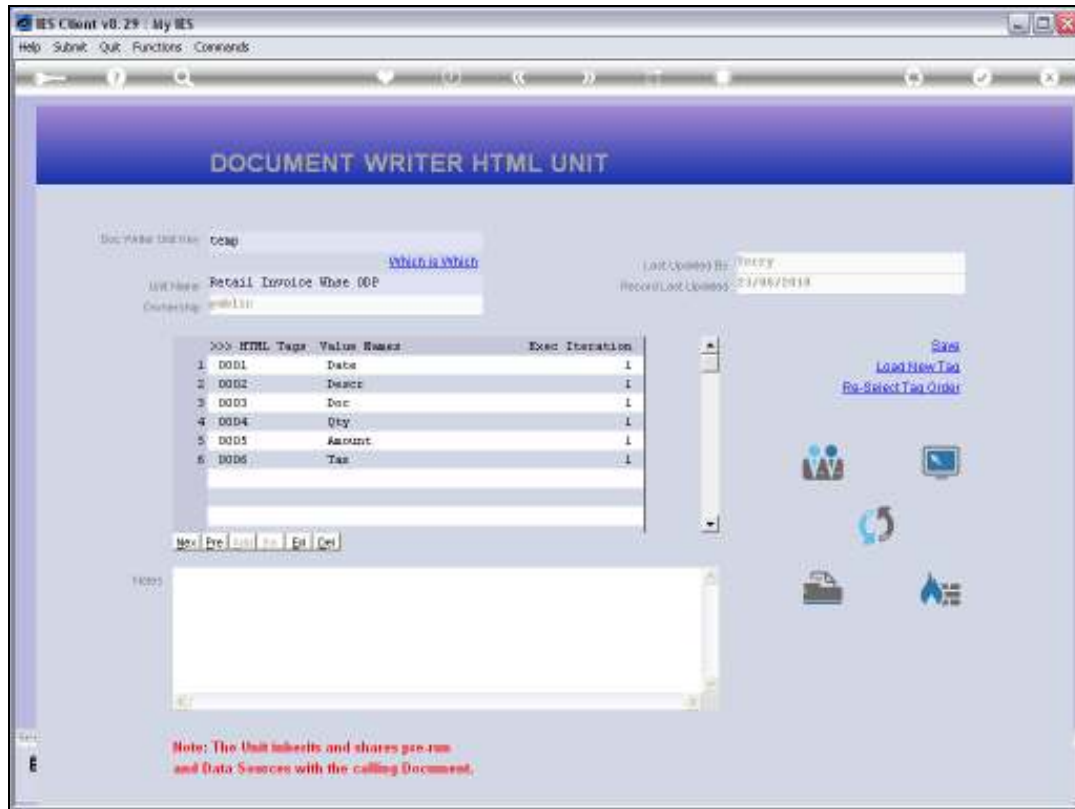
Other Indicators

17           Copy (says COPY if it is a copy, else null)

```

Slide 27

Slide notes:



Slide 28

Slide notes: Likewise for the 'Doc' Tag.

The screenshot shows the IES Client v8.29 interface. The main window is titled "TEMPLATE 015: Alpha-Numeric Iteration Value". It contains several input fields and dropdown menus for configuring a tag template. The fields are as follows:

Field	Value
Tag #	0003
Name	000
Data Field #	3
Tag Addressing	relative
Alignment	left justified
Result Width	15
Bold ?	NORMAL
Underline ?	NORMAL
Tag Result	ALWAYS RETURN A RESULT
Operator	*
Conditional Value	

Buttons visible in the interface include "Remove Template", "Copy Template", "Reveal Logic", and "Save". The status bar at the bottom indicates the session is for Terry using IES, and the taskbar shows the application is running on a desktop.

Slide 29

Slide notes:

The screenshot shows the IES Client v8.29 interface. The main window is titled "TEMPLATE 015: Alpha-Numeric Iteration Value". It contains several input fields and dropdown menus for configuring a tag template. The "TAG #:" field is set to "0003". The "Name:" field is set to "BOI". The "Data Field #:" field is set to "3". The "Tag Addressing:" dropdown is set to "relative". The "Alignment:" dropdown is set to "left justified". The "Result Width:" field is set to "15". The "Bold?" dropdown is set to "NORMAL". The "Underline?" dropdown is set to "NORMAL". The "Tag Result:" dropdown is set to "ALWAYS RETURN A RESULT". The "Operator:" dropdown is set to "+". The "Conditional Value:" field is empty. There are buttons for "Remove Template", "Copy Template", "Reveal Logic", and "Save". The status bar at the bottom shows "Session Info: Terry is using IES" and "2010/09/23 13:50:25".

IES Client v8.29 : My IES

Help Submit Quit Functions Commands

← ? 🔍 ♥ 🔄 ⏪ ⏩ 📄

### TEMPLATE 015: Alpha-Numeric Iteration Value

ⓘ

TAG #

Name

Data Field #

Tag Addressing:

Alignment:

Result Width:

Bold?:

Underline?:

Tag Result:

Operator:

Conditional Value:

[Remove Template](#) [Copy Template](#)

[Reveal Logic](#) [Save](#)

Session Info: Terry is using IES

🖨️ Desktop 📁 Application Wizard 📁 Tag Template: Alpha-numeric 📁 BOIRBID-TAG-TEMPLATE15 🕒 2010/09/23 13:50:25

Slide 30

Slide notes: The answer is from Data Field number 3.

The screenshot shows the IES Client v8.29 interface. The main window is titled "TEMPLATE 015: Alpha-Numeric Iteration Value". It contains several input fields and dropdown menus for configuring a tag template. The fields are as follows:

Field	Value
Tag #	0003
Name	DOO
Tag Addressing	relative
Data Field #	8
Alignment	left justified
Result Width	15
Bold ?	NORMAL
Underline ?	NORMAL
Tag Result	ALWAYS RETURN A RESULT
Operator	*
Conditional Value	

Below the input fields, there are four buttons: "Remove Template", "Copy Template", "Reveal Logic", and "Save".

At the bottom of the window, there is a status bar with the following information:

- Session Info: Terry is using IES
- Desktop
- Application Wizard
- Tag Template: Alpha-numeric
- BOFRID-TAG-TEMPLATE15
- 2010/09/23 13:50:26

Slide 31

Slide notes:

T1557646546.TXT - Notepad

File Edit Format View Help

Retail Invoice, Warehouse COP - Direct Data layout

-----

The Retail Invoice Data are pre-formatted to a 'docuritespre' source record before calling Document Writer. If this report (RETAIL-INV-COMBO, RETAIL-INV-COMBO-2, RETAIL-INV-COMBO-FX, RETAIL-INV-COMBO-FX-2) is re-created as a modified version (wrap), 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 Amc
9,n	Serial / Batch No
10,n	Delivery Note Number
Transaction Line Detail (multi valued), Local Currency	
51,n	Amount (inclusive)
52,n	line Tax
53,n	Amount (exclusive)
54,n	line Discount Amc
Totals in Invoice Currency e.g. Local or Forex	
20	Invoice Total excluding Tax
21	Invoice Total Tax
22	Invoice Total including Tax
65	Prepaid Amount or Deposit
Totals in Local Currency	
61	Invoice Total excluding Tax
62	Invoice Total Tax
63	Invoice Total including Tax
64	Prepaid Amount or Deposit
Other Indicators	
17	Copy (says COPY if it is a copy, else null)

Slide 32

Slide notes:



```

T1557646546.TXT - Notepad
File Edit Format View Help
Retail Invoice, Warehouse COP - Direct Data layout
-----
The Retail Invoice Data are pre-formatted to a 'docuritespre' source record before
calling Document Writer. If this report (RETAIL-INV-COMBO, RETAIL-INV-COMBO-2,
RETAIL-INV-COMBO-FX, RETAIL-INV-COMBO-FX-2) is re-created as a modified version (wrap),
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         Delivery Note Number

Transaction Line Detail (multi valued), Local Currency

51,n         Amount (inclusive)
52,n         line Tax
53,n         Amount (exclusive)
54,n         line Discount Amt

Totals in Invoice Currency e.g. Local or Forex

20           Invoice Total excluding Tax
21           Invoice Total Tax
22           Invoice Total including Tax
65           Prepaid Amount or Deposit

Totals in Local Currency

61           Invoice Total excluding Tax
62           Invoice Total Tax
63           Invoice Total including Tax
64           Prepaid Amount or Deposit

Other Indicators

17           Copy (says COPY if it is a copy, else null)

```

## Slide 33

Slide notes: This Template is ALWAYS used with a Data Source Record where the Unit is based on an included Data Set where a number of Fields have correlated multi or iterative Values.