

Slide 1 - Slide 1

New Report - Windows Internet Explorer

\\127.0.0.1\Bridge\D1557646246.htm

File Edit View Favorites Tools Help

Google Search Share Sidewiki Check Translate AutoFill Sign In

Favorites Free Hotmail Suggested Sites Web Slice Gallery

New Report

Gummy Hoops Inc.

PO Box 10555 0046 Centurion South Africa ZAR
Tel +27 12 320 4555 hello@gummyhoops.hoop.com www.gummyhoops.hoop.com

Tax Invoice 01.100820-777 Account: 01020 Tax No 442276354
Tax Registration No 44444444445 Currency: \$
Date: 20/08/2010

DOORNKLOOF TEACHERS' ASSOCIATION
11010 - 142 STREET
Centurion

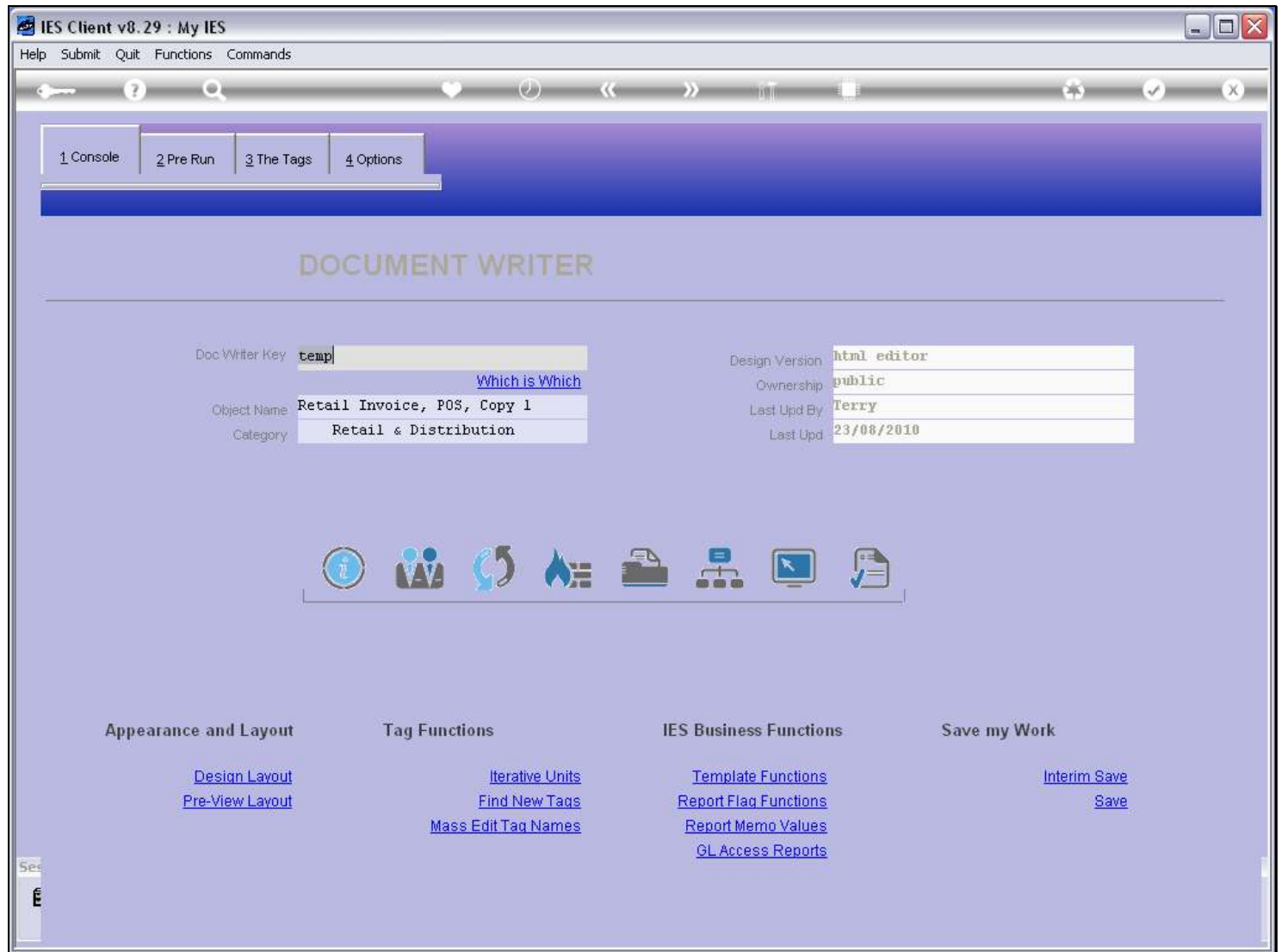
Date	Description	Document	Quantity	\$ Amount Incl	Tax
20/08/2010	NIKON COOLPIX 8800	3007174	1	175.38	21.54
20/08/2010	NIKON EN-EL3 BATTERY	3007232	1	7.89	0.97
20/08/2010	NIKON SB-600 FLASH	0243138	1	48.67	5.98
Before Tax				203.45	
Tax				28.49	
Inclusive Total				231.94	

Terms:

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 the Unit call is based on the DATA ITERATION method.

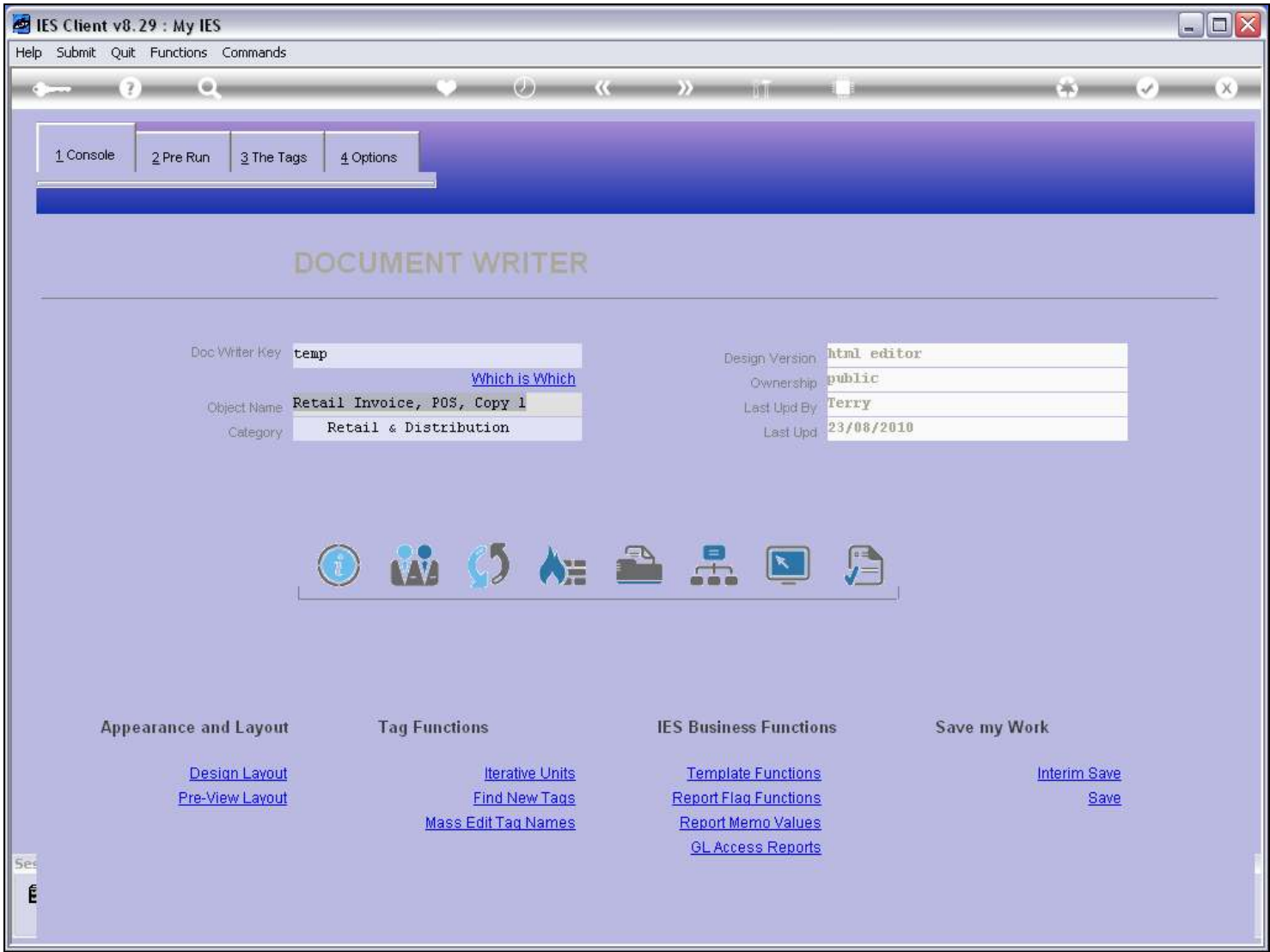
Slide 2 - Slide 2



Slide notes

Our example is based on a Retail Invoice Report.

Slide 3 - Slide 3



Slide notes

Slide 4 - Slide 4

IES Client v8.29 : My IES

Help Submit Quit Functions Commands

1 Console 2 Pre Run 3 The Tags 4 Options

Tag Result Macros: -

	>>> Tags	Value Names	Exec It
1	0001	Company Name	1
2	0002	Company Address	1
3	0003	Company Contact	1
4	0030	Line	1
5	0004	Invoice Number	1
6	0015	Customer Account Code	1
7	0016	Customer Tax Number	1
8	0005	Company Tax Number	1
9	0028	Currency	1
10	0006	Invoice Date	1
11	0029	Line	1
12	0007	Customer Name	1
13	0008	Customer Address	1
14	0009	Customer Address	1
15	0010	Customer Address	1
16	0011	Customer Address	1
17	0012	Customer Address	1
18	0013	Customer Address	1
19	0014	Line	1
20	0017	Currency	1
21	0018	Unit Call	1
22	0019	*** unit dependent	1
23	0020	*** unit dependent	1
24	0021	*** unit dependent	1
25	0022	*** unit dependent	1

Where is that tag !

[Select from Tag List](#)

[Search for Tag Number](#)

[Search for Tag Name](#)

Current Tag Focus: -

Row 21

Tag # 0018

Name Unit Call

[Open the Tag Macro](#)

Nex Pre Add Ins Ed Del

Slide notes

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

Slide 5 - Slide 5

The screenshot shows the IES Client v8.29 interface. The main window is titled 'TEMPLATE 012: Unit Execution'. It contains the following fields and controls:

- TAG #**: 0018
- Unit Call**: Unit Call
- Unit to Call**: ret-inv-combo
- DataSource #**: DOCWRITESPRE
- Iteration Field #**: 1
- Tag Result**: always return a result
- Test Operator**: =
- Conditional Value**: (empty)

Below the fields are four buttons: [Remove Template](#), [Copy Template](#), [Reveal Logic](#), and [Save](#).

At the bottom of the window, the 'Session Info' bar displays: 'Terry is using IES'. The taskbar at the very bottom shows icons for Devtool, Application Wizard, Tag Template: Unit Execution, BGFRIEND-TAG-TEMPLATE12, and a clock showing 2010/08/23 14:23:35.

Slide notes

This is the name of the Unit to call, and it can be selected from the lookup.

Slide 6 - Slide 6

The screenshot shows the IES Client v8.29: My IES application window. The main area displays the configuration for 'TEMPLATE 012: Unit Execution'. The configuration includes the following fields and values:

- TAG #: 0018
- Unit Call: Unit Call
- Unit to Call: ret-inv-combo
- DataSource #: DOCWRITESPRE
- Iteration Field #: 1
- Tag Result: always return a result
- Test Operator: =
- Conditional Value: (empty)

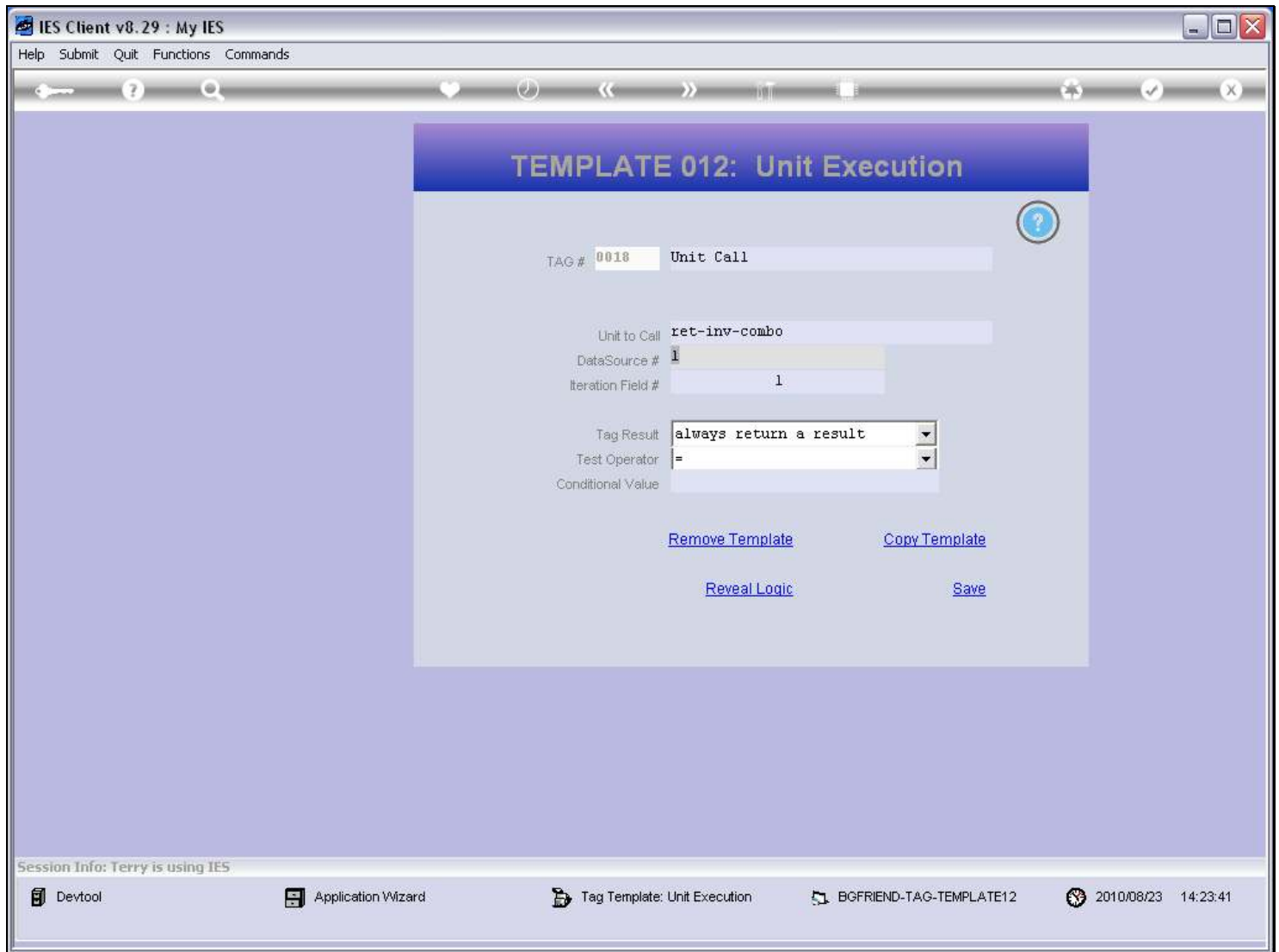
Below the configuration fields are four buttons: [Remove Template](#), [Copy Template](#), [Reveal Logic](#), and [Save](#).

The bottom status bar shows the following information:

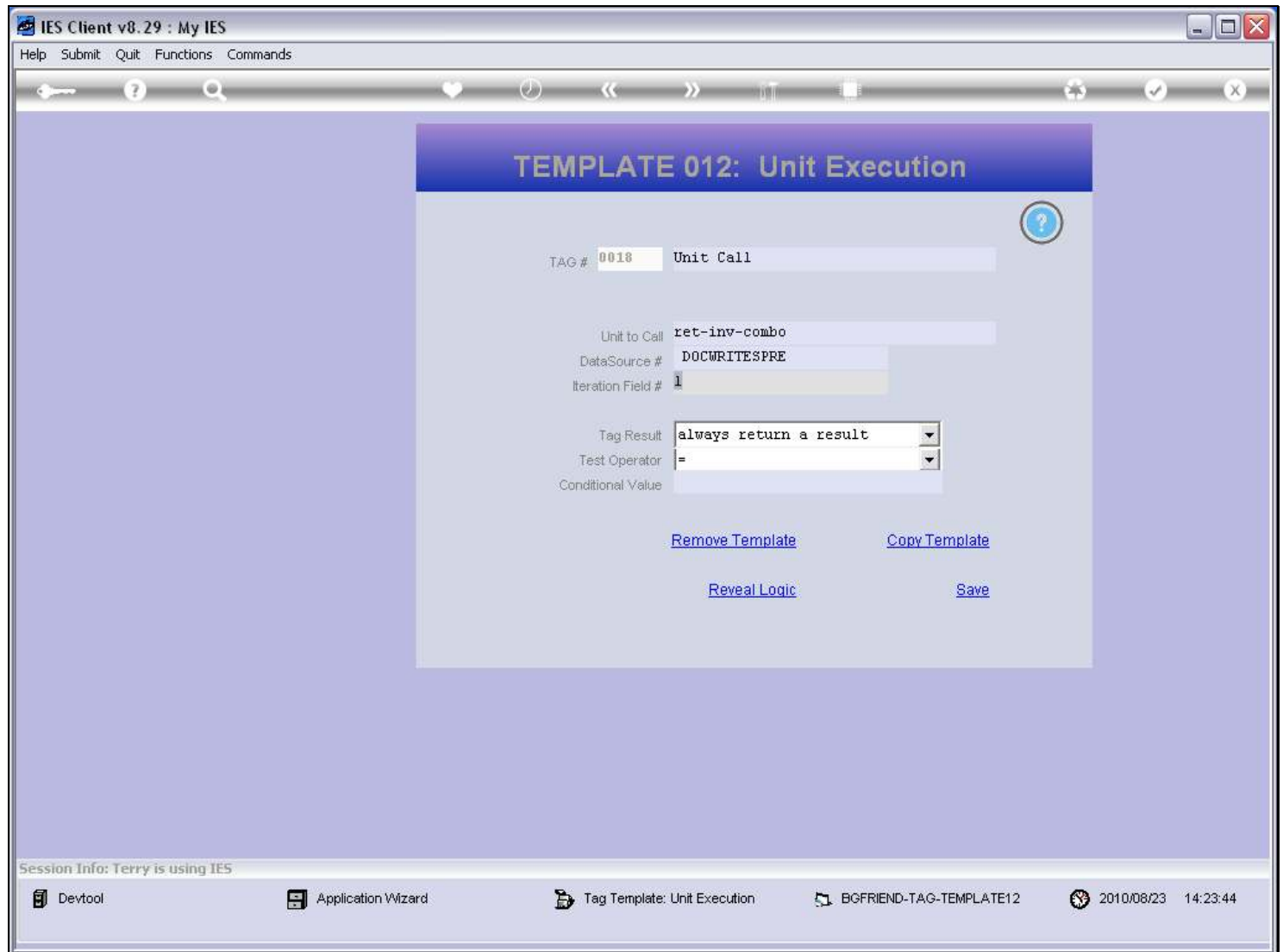
- Session Info: Terry is using IES
- Devtool
- Application Wizard
- Tag Template: Unit Execution
- BGFRIEND-TAG-TEMPLATE12
- 2010/08/23 14:23:38

Slide notes

This type of Unit is always based on a listed Direct Data Source single record, for this Report.

Slide 7 - Slide 7**Slide notes**

And we select the Field Number that the system will count in the data record, to determine how many iterative lines there are present.

Slide 8 - Slide 8**Slide notes**

Slide 9 - Slide 9

The screenshot shows the IES Client v8.29: My IES application window. The window has a menu bar with 'Help', 'Submit', 'Quit', 'Functions', and 'Commands'. Below the menu bar is a toolbar with various icons. The main content area is titled 'Document' and contains the following text:

Function
Doc or Printwriter Tag Template definition.

Caution
None.

Description
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.
UNIT based on DATA ITERATION
This Template is used to call a Unit, and there are 2 primary ways to call a Unit:
a) Based on Data Iteration, i.e. where the system checks a specified Field in the Data Record (from the selected Direct Data Source), counts the multi-values on that Field, and performs a line in the Unit for each multi-value that was counted. This method is typically suitable for production of Invoice or Purchase Order line items, where the number of items present will be different from one document execution to the next.
b) Based on Key Selection, e.g. the so-called IKEYS (short for Iteration Keys). This method is typically used to select a number of records, e.g. Ledger Accounts or other, pass the results through to IKEYS which are then passed to the Unit. Then, in the Unit, 1 line is produced for each Key (e.g. Account Code), and where each Tag can use the current Key (e.g. Account

On the right side of the window, there is a 'Next' link, a 'Make a copy -' button, a 'Text Copy' link, a 'Search Phrase' input field, and a 'Search' link. The status bar at the bottom shows 'Doc Key: bgfriend-tag-template12'.

Slide notes

Slide 10 - Slide 10

The screenshot shows the IES Client v8.29: My IES application window. The title bar includes 'Help', 'Submit', 'Quit', 'Functions', and 'Commands'. The main content area is titled 'Document' and displays the following information:

Function
Doc or Printwriter Tag Template definition.

Caution
None.

Description
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.

UNIT based on DATA ITERATION
This Template is used to call a Unit, and there are 2 primary ways to call a Unit:

- a) Based on Data Iteration, i.e. where the system checks a specified Field in the Data Record (from the selected Direct Data Source), counts the multi-values on that Field, and performs a line in the Unit for each multi-value that was counted. This method is typically suitable for production of Invoice or Purchase Order line items, where the number of items present will be different from one document execution to the next.
- b) Based on Key Selection, e.g. the so-called IKEYS (short for Iteration Keys). This method is typically used to select a number of records, e.g. Ledger Accounts or other, pass the results through to IKEYS which are then passed to the Unit. Then, in the Unit, 1 line is produced for each Key (e.g. Account Code), and where each Tag can use the current Key (e.g. Account

On the right side of the window, there is a 'Next' link, a 'Make a copy - Text Copy' link, a 'Search Phrase' input field, and a 'Search' link. The status bar at the bottom shows 'Doc Key: bgfriend-tag-template12'.

Slide notes

The Help explains the 2 primary types of Unit Call, and that the Iteration method which we are using here, is based on the counting of a selected Field number in the data record.

Slide 11 - Slide 11

The screenshot shows the IES Client v8.29 interface. The title bar reads 'IES Client v8.29 : My IES'. The menu bar includes 'Help', 'Submit', 'Quit', 'Functions', and 'Commands'. The toolbar contains icons for key, help, search, heart, clock, left arrow, right arrow, list, print, refresh, checkmark, and close. The main window has a blue header bar with the word 'Document' and a 'Next' link. The content area is divided into sections: 'Function' (Doc or Printwriter Tag Template definition.), 'Caution' (None.), and 'Description' (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. UNIT based on DATA ITERATION. This Template is used to call a Unit, and there are 2 primary ways to call a Unit: a) Based on Data Iteration, i.e. where the system checks a specified Field in the Data Record (from the selected Direct Data Source), counts the multi-values on that Field, and performs a line in the Unit for each multi-value that was counted. This method is typically suitable for production of Invoice or Purchase Order line items, where the number of items present will be different from one document execution to the next. b) Based on Key Selection, e.g. the so-called IKEYS (short for Iteration Keys). This method is typically used to select a number of records, e.g. Ledger Accounts or other, pass the results through to IKEYS which are then passed to the Unit. Then, in the Unit, 1 line is produced for each Key (e.g. Account Code), and where each Tag can use the current Key (e.g. Account Code)). A search bar on the right is labeled 'Search Phrase' and has a 'Text Copy' link. Below it is a 'Search' link. The status bar at the bottom shows 'Doc Key: bgfriend-tag-template12'.

Function

Doc or Printwriter Tag Template definition.

Caution

None.

Description

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.

UNIT based on DATA ITERATION

This Template is used to call a Unit, and there are 2 primary ways to call a Unit:

a) Based on Data Iteration, i.e. where the system checks a specified Field in the Data Record (from the selected Direct Data Source), counts the multi-values on that Field, and performs a line in the Unit for each multi-value that was counted. This method is typically suitable for production of Invoice or Purchase Order line items, where the number of items present will be different from one document execution to the next.

b) Based on Key Selection, e.g. the so-called IKEYS (short for Iteration Keys). This method is typically used to select a number of records, e.g. Ledger Accounts or other, pass the results through to IKEYS which are then passed to the Unit. Then, in the Unit, 1 line is produced for each Key (e.g. Account Code), and where each Tag can use the current Key (e.g. Account Code).

Search Phrase

Make a copy - [Text Copy](#)

Search the IES web on-line documentation by typing a phrase, then choose "search".

[Search](#)

Doc Key: bgfriend-tag-template12

Slide notes

Slide 12 - Slide 12

The screenshot shows the IES Client v8.29: My IES window. The main area displays 'TEMPLATE 012: Unit Execution' with a configuration form. The form includes fields for TAG # (0018), Unit Call (Unit Call), Unit to Call (ret-inv-combo), DataSource # (DOCWRITESPRE), Iteration Field # (1), Tag Result (always return a result), Test Operator (=), and Conditional Value. Below the form are buttons for Remove Template, Copy Template, Reveal Logic, and Save. The bottom status bar shows session info and a taskbar with icons for Devtool, Application Wizard, Tag Template: Unit Execution, BGFRIEND-TAG-TEMPLATE12, and a clock showing 2010/08/23 14:23:54.

IES Client v8.29 : My IES

Help Submit Quit Functions Commands

TEMPLATE 012: Unit Execution

TAG # 0018 Unit Call

Unit to Call ret-inv-combo

DataSource # DOCWRITESPRE

Iteration Field # 1

Tag Result always return a result

Test Operator =

Conditional Value

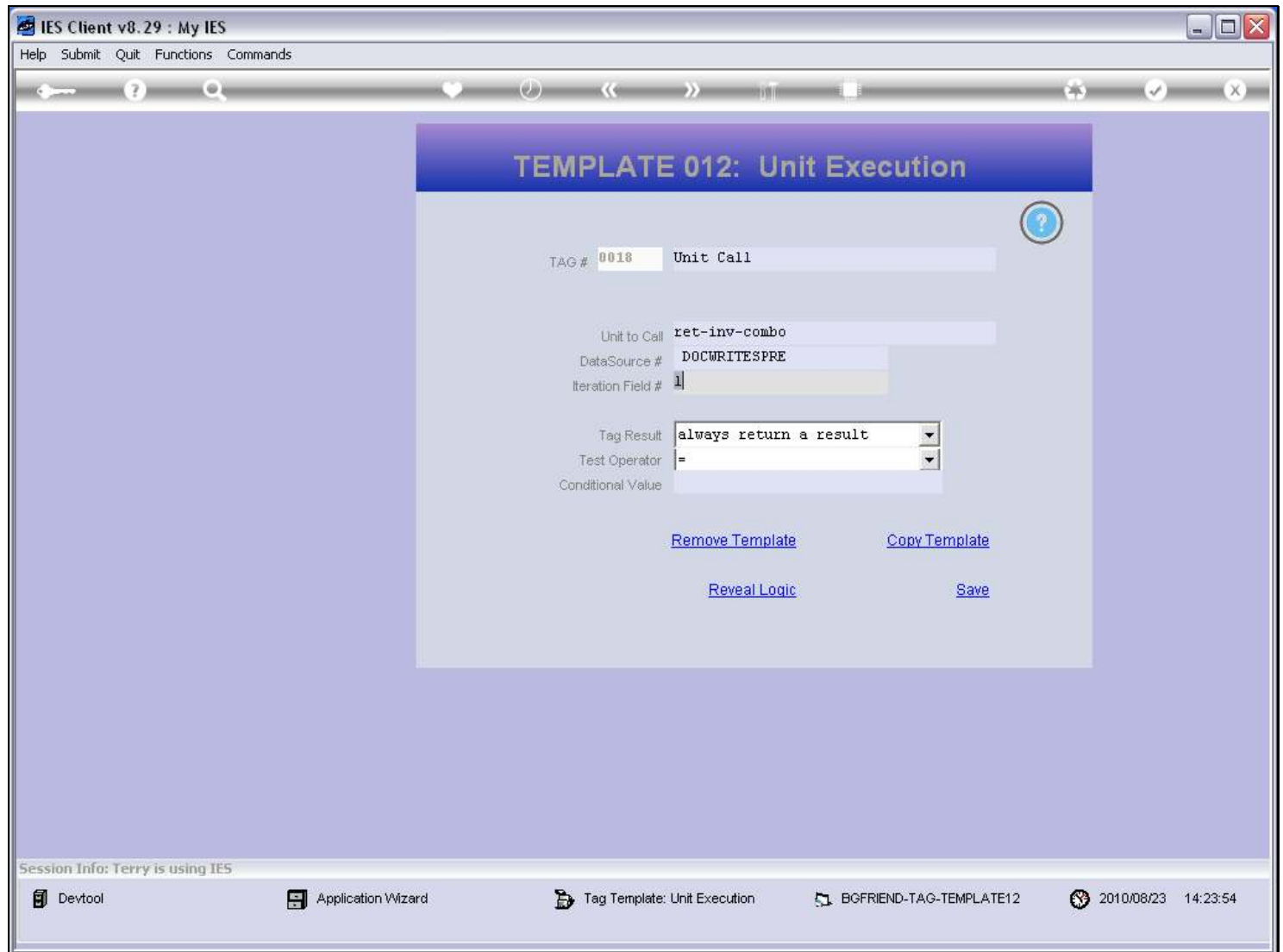
[Remove Template](#) [Copy Template](#)

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

Session Info: Terry is using IES

Devtool Application Wizard Tag Template: Unit Execution BGFRIEND-TAG-TEMPLATE12 2010/08/23 14:23:54

Slide notes

Slide 13 - Slide 13**Slide notes**

Slide 14 - Slide 14

IES Client v8.29 : My IES

Help Submit Quit Functions Commands

1 Console2 Pre Run3 The Tags4 Options

Tag Result Macros: -

	>>> Tags	Value Names	Exec It
1	0001	Company Name	1
2	0002	Company Address	1
3	0003	Company Contact	1
4	0030	Line	1
5	0004	Invoice Number	1
6	0015	Customer Account Code	1
7	0016	Customer Tax Number	1
8	0005	Company Tax Number	1
9	0028	Currency	1
10	0006	Invoice Date	1
11	0029	Line	1
12	0007	Customer Name	1
13	0008	Customer Address	1
14	0009	Customer Address	1
15	0010	Customer Address	1
16	0011	Customer Address	1
17	0012	Customer Address	1
18	0013	Customer Address	1
19	0014	Line	1
20	0017	Currency	1
21	0018	Unit Call	1
22	0019	*** unit dependent	1
23	0020	*** unit dependent	1
24	0021	*** unit dependent	1
25	0022	*** unit dependent	1

NexPreAddInsEdDel

Where is that tag !

Select from Tag List

Search for Tag Number

Search for Tag Name

Current Tag Focus: -

Row21

Tag #0018

NameUnit Call


Open the Tag Macro

Slide notes

Slide 15 - Slide 15

The screenshot shows the IES Client v8.29 interface. The title bar reads "IES Client v8.29 : My IES". The menu bar includes "Help", "Submit", "Quit", "Functions", and "Commands". The toolbar contains icons for a key, help, search, heart, clock, left arrow, right arrow, list, document, refresh, checkmark, and close. The main window has a tabbed interface with four tabs: "1 Console", "2 Pre Run", "3 The Tags", and "4 Options". The "2 Pre Run" tab is active.

PRE RUN PARAMETERS: -

[Pre Run Assist](#) 

Pre Run Process:


Results File:

Results Key:


Proceed on Field #:

Conditional Value:

DIRECT REFERENCE DATA SOURCES: -



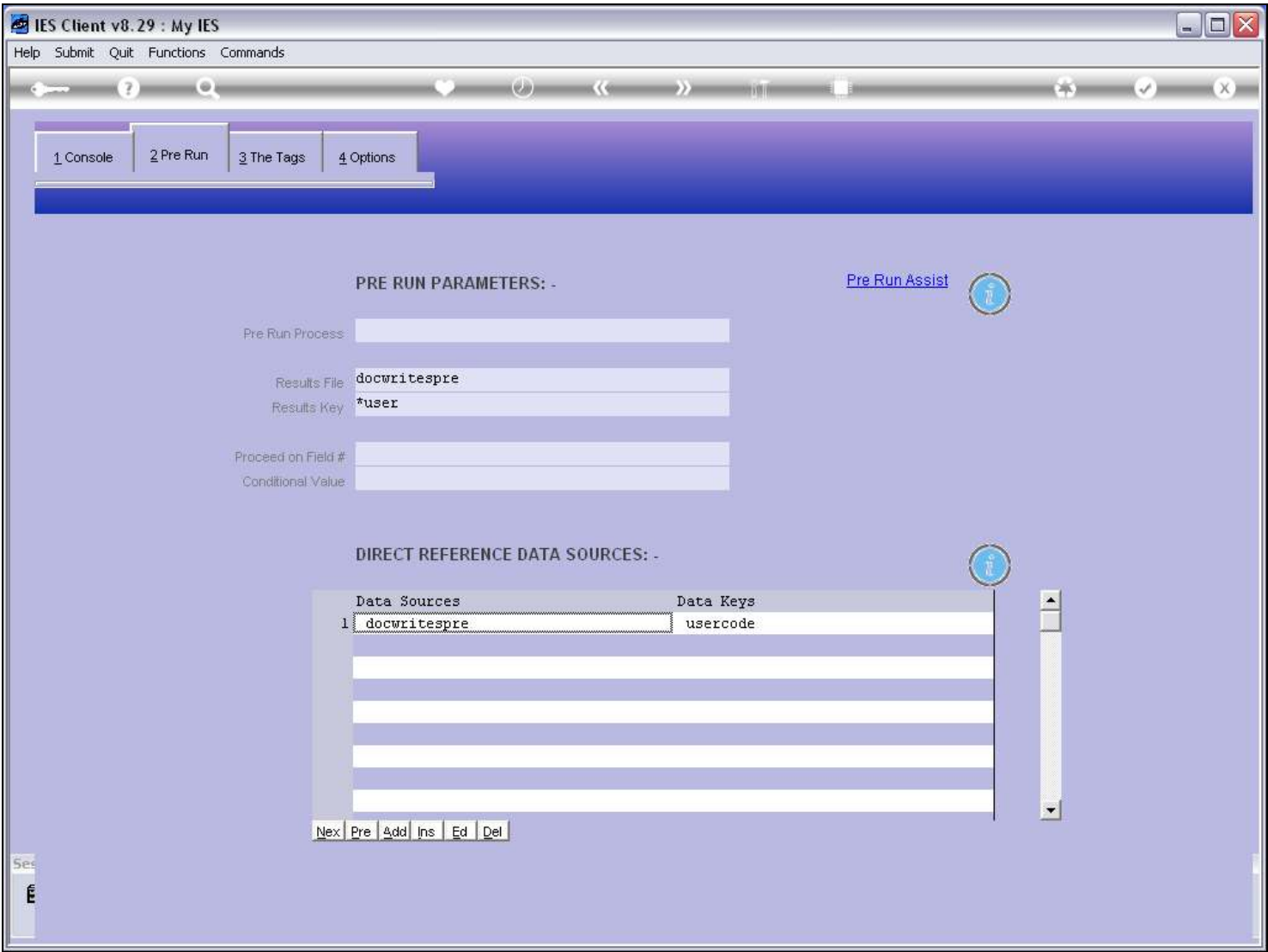
	Data Sources	Data Keys
1	docwritespre	usercode

See  E

Slide notes

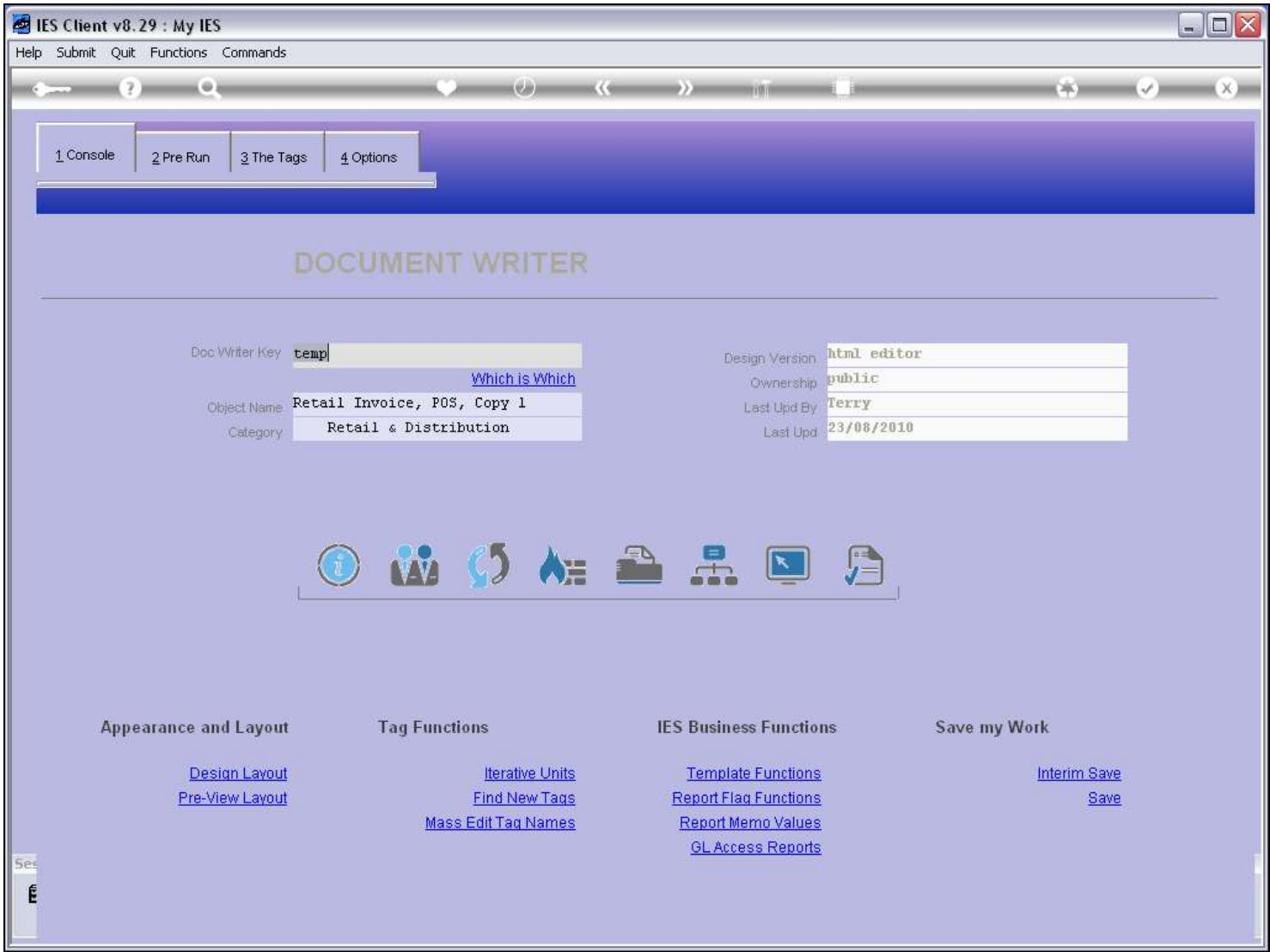
Here we can see the Data Source listed.

Slide 16 - Slide 16



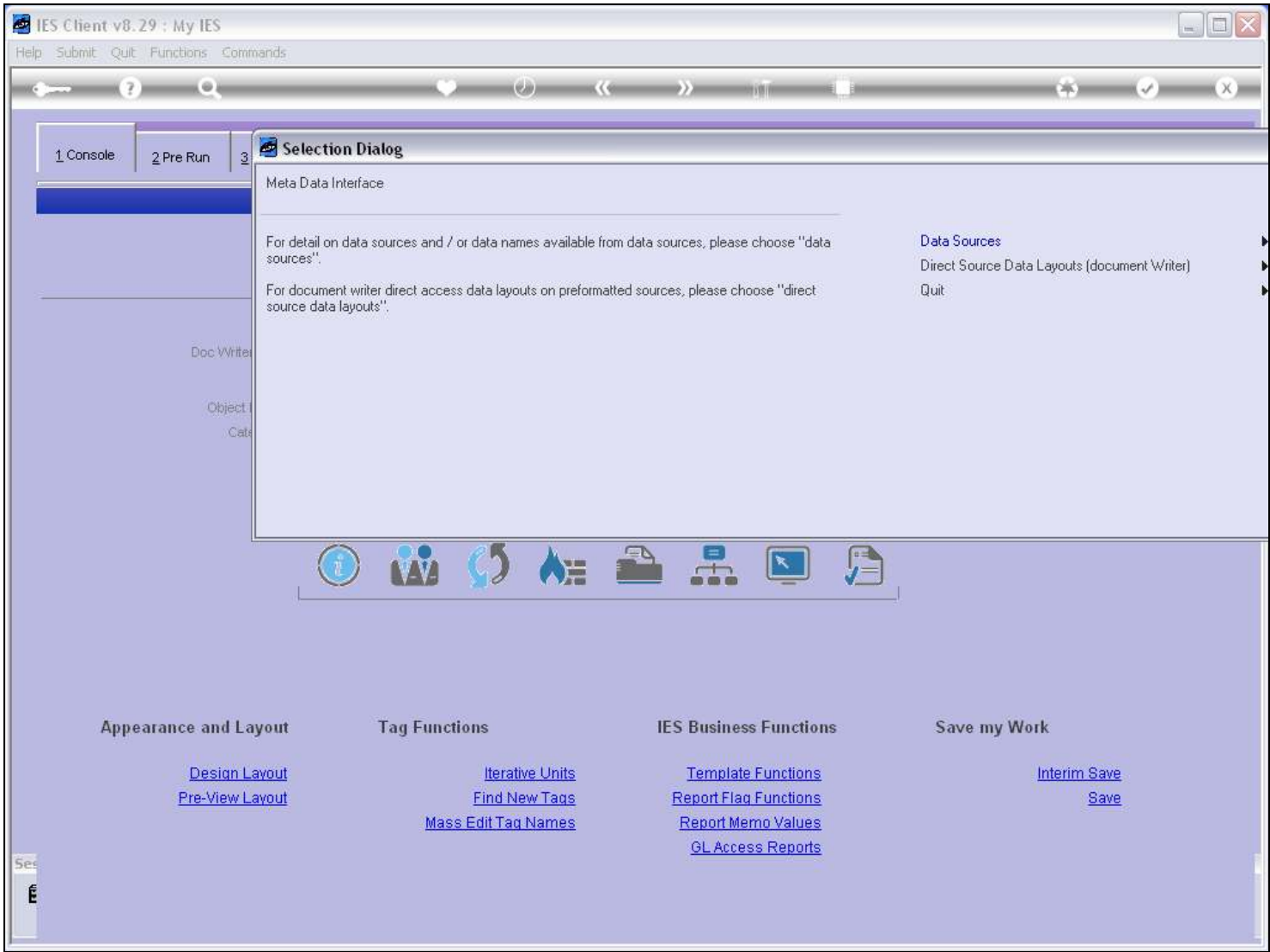
Slide notes

Slide 17 - Slide 17



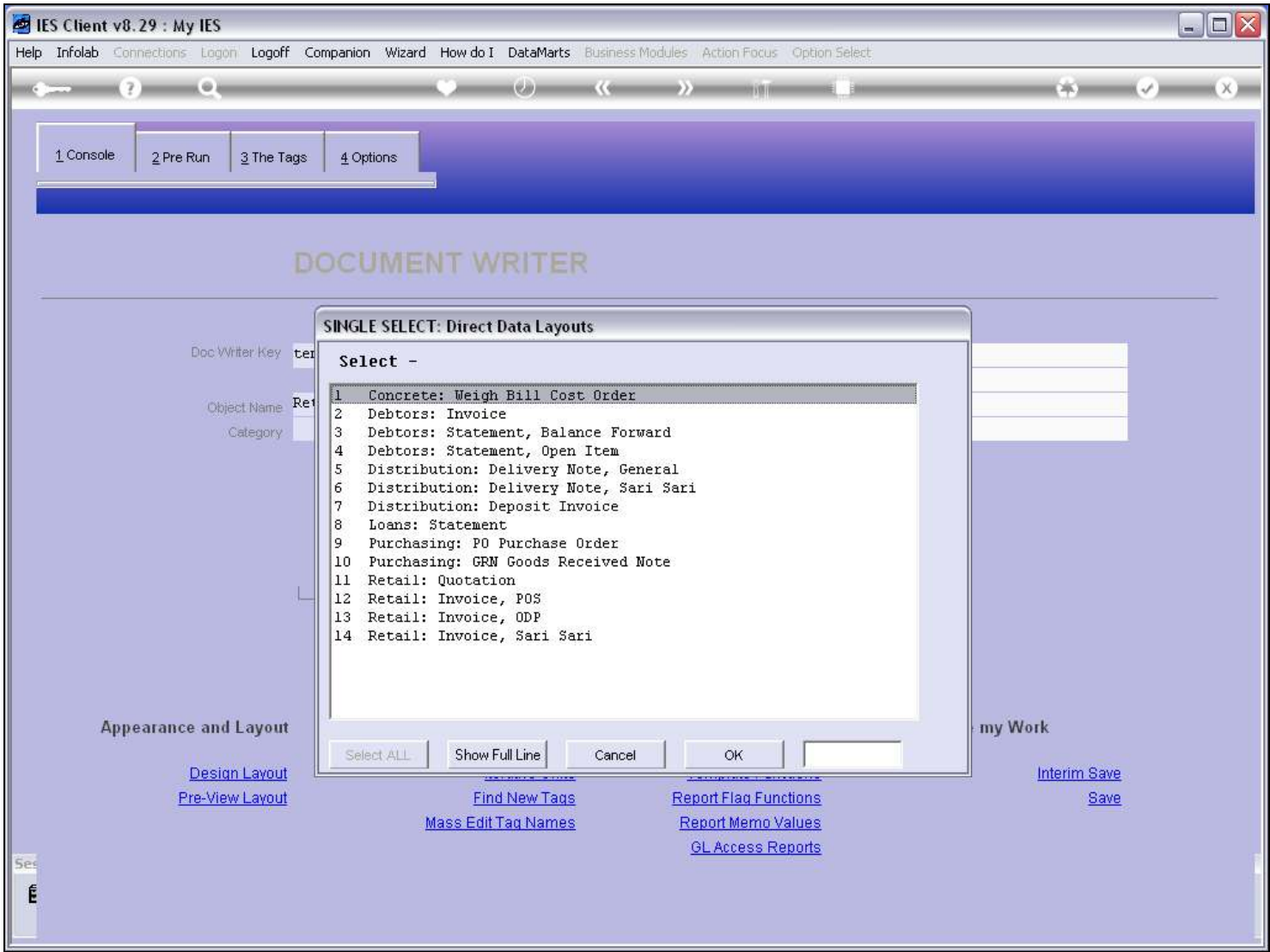
Slide notes

Slide 18 - Slide 18

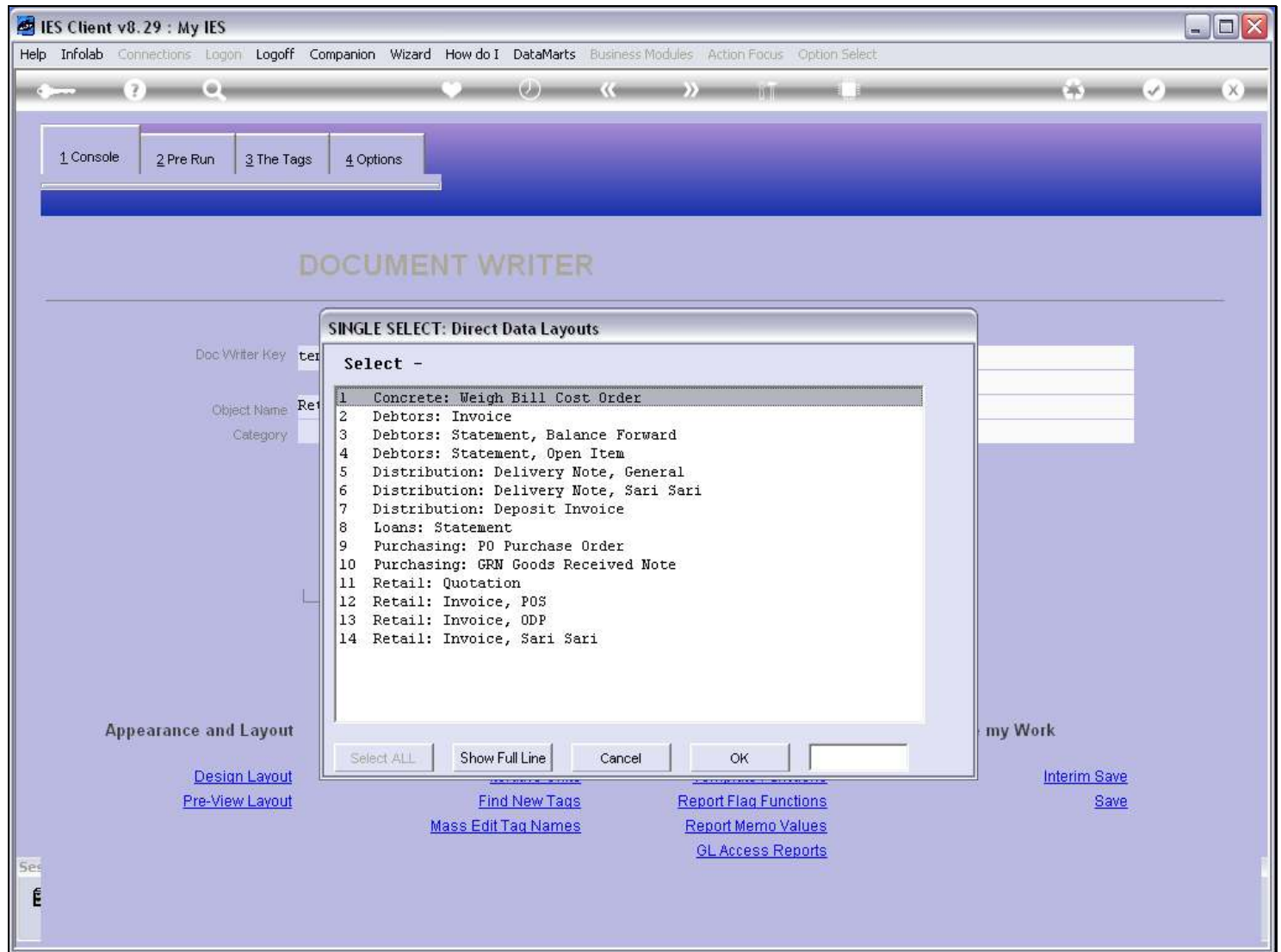


Slide notes

Slide 19 - Slide 19



Slide notes

Slide 20 - Slide 20**Slide notes**

From the Metadata, we can retrieve the Data Source Layout.

Slide 21 - Slide 21

IES Client v8.29 : My IES

Help Submit Quit Functions Commands

Document

[Next](#)

Retail Invoice, Warehouse ODP - Direct Data Layout

The Retail Invoice Data are pre-formatted to a 'docwritespre' 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 (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	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

Make a copy - [Text Copy](#)

Search Phrase

Search the IES web on-line documentation by typing a phrase, then choose "search".

[Search](#)

Doc Key: dds-layout-09

Slide notes

Our Iteration Field for this Unit Call is Field number 1, where DocWriter will count how many lines are present, with correlated iteration Values on the other indicated multi-value Fields.

Slide 22 - Slide 22

IES Client v8.29 : My IES

Help Submit Quit Functions Commands

Document

[Next](#)

Retail Invoice, Warehouse ODP - Direct Data Layout

The Retail Invoice Data are pre-formatted to a 'docwritespre' 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 (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	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

Make a copy - [Text Copy](#)

Search Phrase

Search the IES web on-line documentation by typing a phrase, then choose "search".

[Search](#)

Doc Key: dds-layout-09

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.