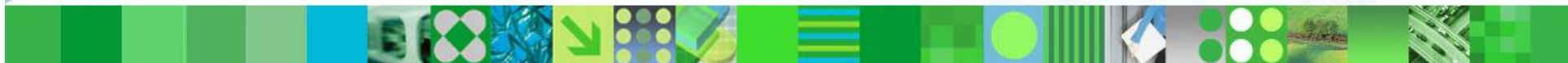




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software



BI to CP Drill Through

Geoff Page

Important Disclaimer

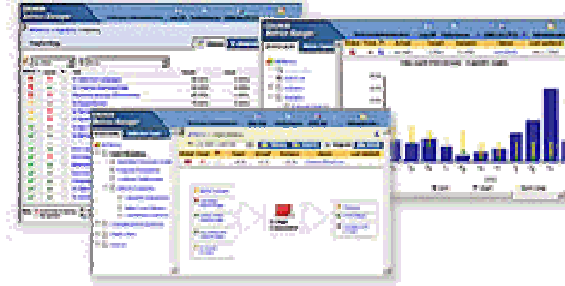
- THE INFORMATION CONTAINED IN THIS PRESENTATION IS PROVIDED FOR INFORMATIONAL PURPOSES ONLY.
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Introduction

- **Closing the loop**
- **CP to BI - recap**
- **BI to CP drill through**
- **Using CP annotations in BI**

Closing the Loop

2 Enterprise Scorecarding



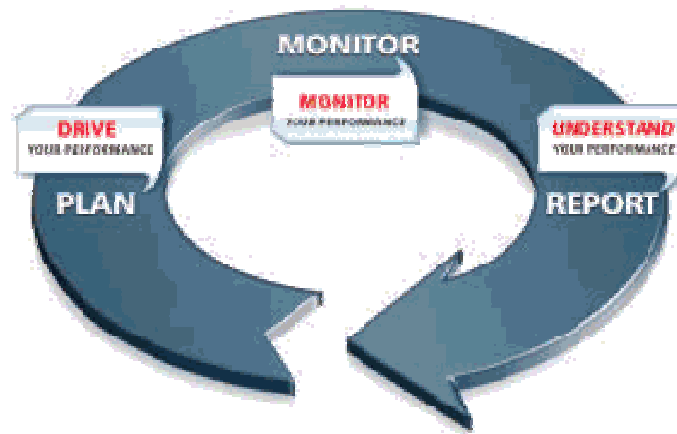
3 Enterprise Business Intelligence



1 Enterprise Planning



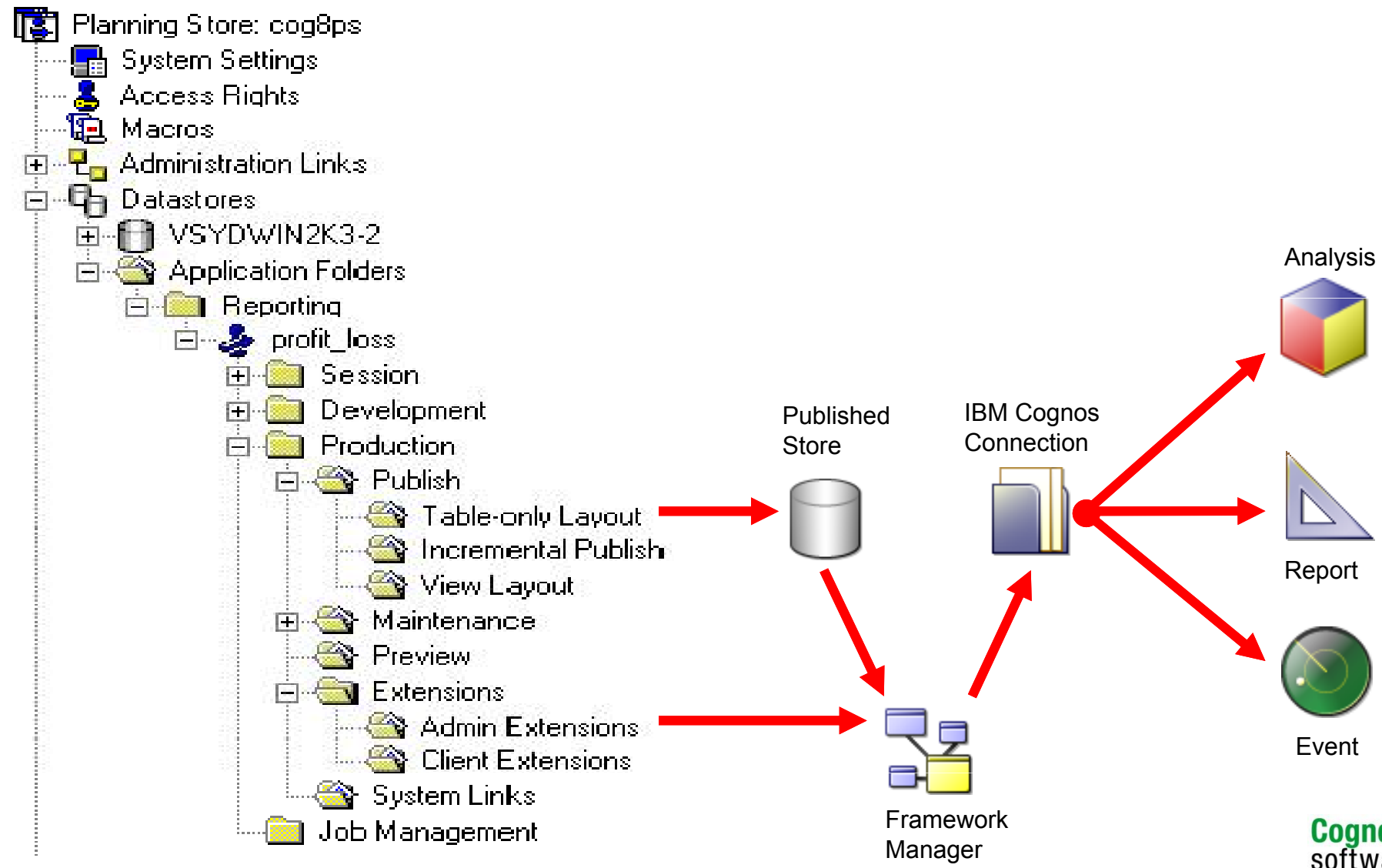
Accountability



Predictability

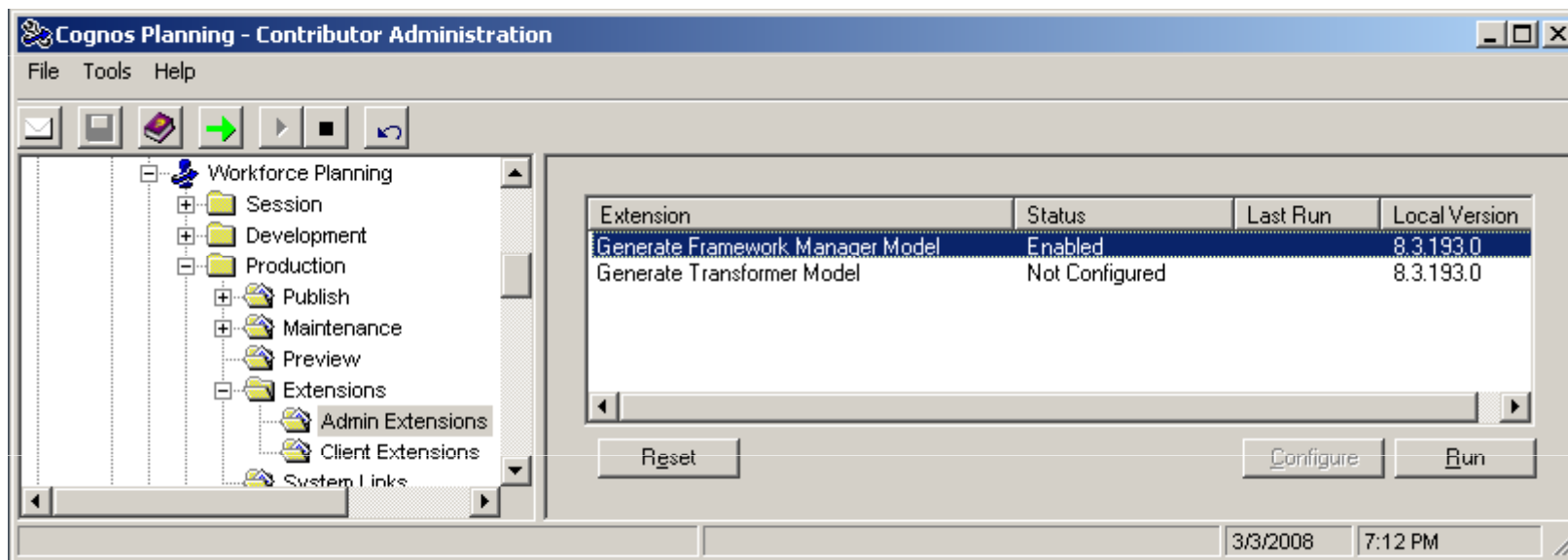
Visibility

CP to BI - Recap



Generate a Framework Manager Model

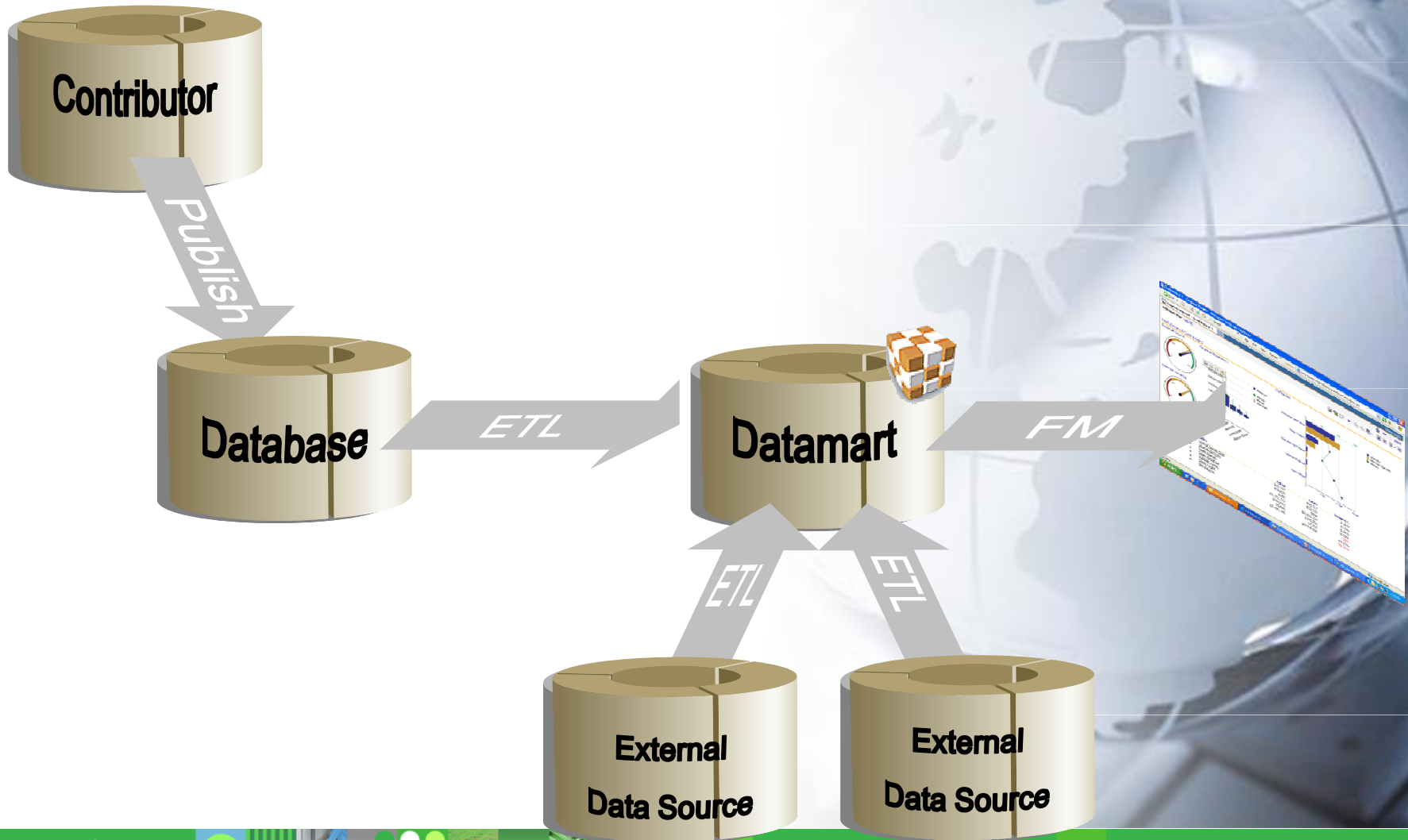
- **Create a Framework Manager model from which multiple Cognos packages may be generated specific to business requirements.**
- **Also publishes a package to Cognos Connection.**
- **The models and package contain metadata derived from the contents of a publish container.**



Business Intelligence Datamart - Tactical



Business Intelligence Datamart - Strategic



Published Tables vs Datamart

- **Published Tables**

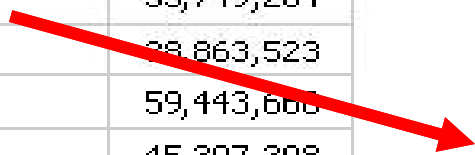
- Small / medium scale solution
- Quick to build
- Planning cube design is based on facilitating user input, and reducing performance issues related to Planning software limitations.
 - This structure may not be optimal for reporting.
- DMR and Relational schemas possible
 - Performance overhead with DMR
- Sensitive to change in CP
- **Finance business can own Reporting effort**

- **Datamart**

- Large scale solution
- Tuned to maximise reporting performance, eg combine data from several Planning cubes to minimise number of queries at runtime
- May be used to reduce data storage requirements in Planning, eg storing version history
- May contain data from sources other than Planning, eg dashboard report could contain forecast information (from Planning) and employee attrition rates (from an HR system)
- Slowly changing dimensions possible
- First step in Performance Management journey
- **Owned by IT**

BI to CP Drill Through to e.List

Departments Display Name	Value
All Departments	340,549,562
Operations	68,939,092
Customer Service	34,704,409
Production and Distribution	34,234,683
Corporate	271,610,470
Procurement	44,598,229
Sales	49,648,546
Human Resources	33,749,204
Finance	28,863,523
Marketing	59,443,600
IS&T	45,307,308



profit_loss | Contributions | Human Resources - Contributor

File Edit View Workflow Actions Help

Rows: [2PL] Columns: [4Months] Context: Human Resources [2eList] Budget Version 1 [EVersion]

	Jan	Feb	Mar	Apr	May
1000 Turnover	2,475,129	8,697,327	928,173	3,747,070	10,734,311
1499 Cost of sales	(722,785)	(2,539,786)	(271,044)	(1,094,216)	(3,152,145)
1999 Gross profit	1,752,344	6,157,541	657,129	2,652,854	7,642,166
2100 Salaries & wages	(370,344)	(370,344)	(370,344)	(370,344)	(370,344)
2150 Overtime	(58,392)	(58,392)	(58,392)	(58,392)	(58,392)
2200 Social taxes	(11,141)	(11,141)	(11,141)	(11,141)	(11,141)
2300 Pension	(5,650)	(5,650)	(5,650)	(5,650)	(5,650)
2400 Benefits	(21,269)	(21,269)	(21,269)	(21,269)	(21,269)
2499 Staff costs	(466,796)	(466,796)	(466,796)	(466,796)	(466,796)
2600 Agency staff		(6,923)	(6,923)	(6,654)	(6,923)
2700 Training	(2,400)	(2,400)	(2,400)	(2,400)	(2,400)
2999 Staff-related costs	(2,400)	(9,323)	(9,323)	(11,054)	(9,323)
3100 Travel	(37,716)	(40,659)	(44,001)	(47,144)	(50,287)
3110 Subsistence	(35,007)	(40,258)	(46,297)	(53,242)	(61,228)
3120 Entertainment	(18,077)	(19,524)	(21,086)	(22,772)	(24,594)
3200 Telephone	(27,434)	(30,599)	(33,765)	(36,930)	(40,096)
3300 Insurance	(2,294)	(2,294)	(2,294)	(2,294)	(2,294)
3400 Stationery	(757)	(757)	(757)	(757)	(757)

Current Owner: Administrator

Copy URL From Contributor Web

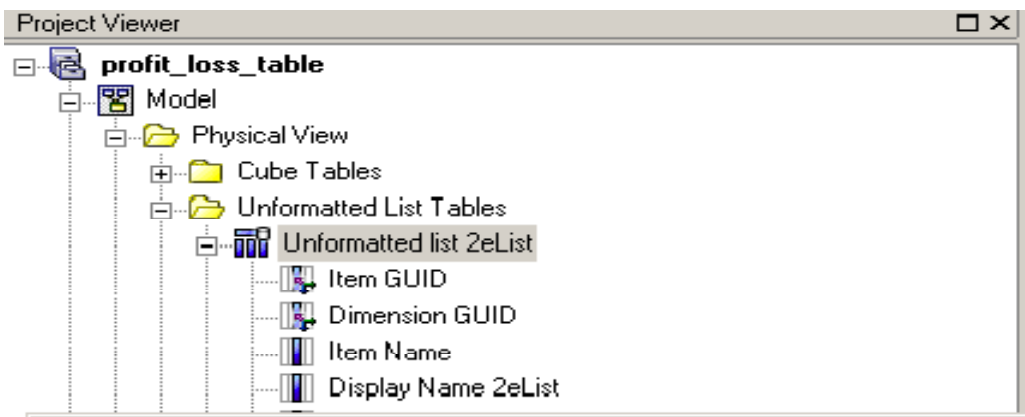
The screenshot shows the Cognos Financial Reporting tool interface. The title bar reads "profit_loss | Contributions | Human Resources - Contributor". The menu bar includes "File", "Edit", "View", "Workflow Actions", and "Help". The toolbar contains various icons for file operations and data manipulation. The main area displays a table with columns for months (Jan, Feb, Mar, Apr) and rows for financial items. A context menu is open over the "1999 Gross profit" row, with "Copy URL" highlighted in a red box.

	Jan	Feb	Mar	Apr
1000 Turnover	2,475,129	8,697,327	928,173	3,747,070
1499 Cost of sales	(722,785)	(2,539,750)	(1,000,000)	(1,000,000)
1999 Gross profit	1,752,344	6,157,577	(77,827)	2,747,070
2100 Salaries & wages	(370,344)	(370,344)	(370,344)	(370,344)
2150 Overtime	(58,392)	(58,392)	(58,392)	(58,392)
2200 Social taxes	(11,141)	(11,141)	(11,141)	(11,141)
2300 Pension	(5,650)	(5,650)	(5,650)	(5,650)
2400 Benefits	(21,269)	(21,269)	(21,269)	(21,269)
2499 Staff costs	(466,796)	(466,796)	(466,796)	(466,796)
2600 Agency staff		(6,900)	(6,900)	(6,900)
2700 Training	(2,400)	(2,400)	(2,400)	(2,400)
2999 Staff-related costs	(2,400)	(9,300)	(9,300)	(9,300)
3100 Travel	(37,716)	(40,800)	(40,800)	(40,800)
3110 Subsistence	(35,007)	(40,200)	(40,200)	(40,200)
3120 Entertainment	(18,077)	(19,524)	(21,086)	(22,772)

URL Definition – Target e.List

Contributor URL prefix	<pre>http://vsydwin2k3-2/cognos8/cgi-bin/cognosisapi.dll?b_action=xts.run &m=portal/launch.xts &ui.tool=Contributor &ui.action=new&ui.gateway=/cognos8/cgi-bin/cognosisapi.dll &ui.fromContext=3</pre>
Folder location and package name	<pre>&ui.object=/content/folder[@name='Reporting']/package[@name='Profit_Loss']</pre>
e.List node	<pre>&ui.pmrnodeid={28FB6FF2-44AE-4C34-A6E3-E5B5D259D80B}</pre>
Suffix	<pre>&goto=</pre>

e.List Item GUID



Test Results

Test: Query Information

Test results		
Item GUID	Dimension GUID	Item Name
{87A6595A-4F29-4536-82CE-ABD51C06FFE3}	{D813B58E-576E-4741-94C9-C0BCCA60D9DC}	All Departments
{D85DCFD4-9D06-4413-A90B-042575571E45}	{D813B58E-576E-4741-94C9-C0BCCA60D9DC}	Operations
{DC376B1D-47F5-4DAB-B5D7-6C3BA40ACCCE}	{D813B58E-576E-4741-94C9-C0BCCA60D9DC}	Customer Service
{FCA06ED4-D754-4104-B151-B961280CB953}	{D813B58E-576E-4741-94C9-C0BCCA60D9DC}	Production and Distribution
{95714985-5899-4991-B345-5799451187B7}	{D813B58E-576E-4741-94C9-C0BCCA60D9DC}	Corporate
{28FB6FF2-44AE-4C34-A6E3-E5B5D259D80B}	{D813B58E-576E-4741-94C9-C0BCCA60D9DC}	Human Resources
{7A268E67-852C-4733-A1E7-3CCFEE1436A}	{D813B58E-576E-4741-94C9-C0BCCA60D9DC}	Finance
{98354F60-4C46-46E6-BBFE-68BE4447A74A}	{D813B58E-576E-4741-94C9-C0BCCA60D9DC}	Marketing
{7CA9474C-A739-4331-A38A-06C0C4469C74}	{D813B58E-576E-4741-94C9-C0BCCA60D9DC}	IS&T
{51AF6222-81D9-4D51-857D-3A7C2BEBD7EC}	{D813B58E-576E-4741-94C9-C0BCCA60D9DC}	Procurement

Create Calculated Query Item

Calculation Definition - Departments URL

Available Components:

- Model
 - Physical View
 - Business View
 - Derived Dimensions
 - Complete Dimensions
 - PL
 - Relational Queries
 - PL Relational Query
 - Value
 - Departments Display Name
 - Departments Display Order
 - Departments URL**
 - PL Display Name
 - PL Display Order
 - Months Display Name
 - Months Display Order
 - Versions Display Name
 - Versions Display Order

Name: Departments URL

Expression definition: Auto Sum

```
'http://vsydwin2k3-2/cognos8/cgi-bin/cognosisapi.dll?
b_action=xts.run&m=portal/launch.xts&ui.tool=Contributor&ui.a
ction=new&ui.gateway=/cognos8/cgi-
bin/cognosisapi.dll&ui.fromContext=3
&ui.object=/content/folder[@name="'+Reporting+'']/package
[@name="'+Profit_Loss+'"]&ui.pmrnodeid='
+
[Model].[Unformatted list 2eList].[Item GUID]
+
'&goto='
```

Model Functions Parameters

Tips Results

OK Cancel Help

Cognos software

Add Hyperlink to Report

Departments Display Name	Value
All Departments	340,549,562
Operations	68,939,092
Customer Service	34,704,409
Production and Distribution	34,234,683
Corporate	271,610,470
Procurement	44,598,229
Sales	49,648,546
Human Resources	33,749,204
Finance	38,863,523
Marketing	59,443,660
IS&T	45,307,308

Departments Display Name	Value
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Production and Distribution	34,234,683
Corporate	271,610,470
Procurement	44,598,229
Sales	49,648,546
Human Resources	33,749,204
Finance	38,863,523
Marketing	59,443,660
IS&T	45,307,308

Properties - Hyperlink

Text Source	
Source Type	Data Item Value
Data Item Value	Departments Display Name
URL Source	
Source Type	Data Item Value
Data Item Value	Departments URL

Add HTML for New Window

- `<base target='_blank'>`
- `<base target='AnyName'>`

New window each time

Reuse new window

The screenshot shows the Cognos software interface. On the left, the 'Insertable Objects' pane is open to 'Properties - HTML Item'. The 'HTML Source' section is expanded, showing 'Source Type' as 'Text' and 'HTML' as `<base target='NewWindow'>`. The 'General' section is also visible. On the right, the 'Page Explorer' pane shows a report preview titled 'Full Year Net Profit for Budget Version'. A red box highlights an '<HTML Item>' object in the report design area. Below the report title, there is a table with the following structure:

Departments Display Name	Value
<Departments Display Name>	<Value>
<Departments Display Name>	<Value>
<Departments Display Name>	<Value>

Demo – Drill Through



Demo 1

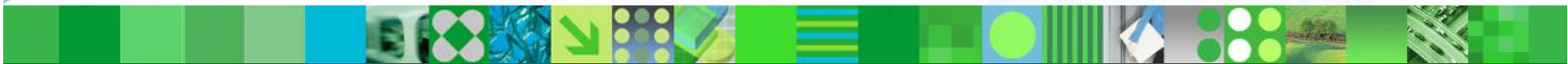


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CP Annotation to BI

Geoff Page

Introduction

- **Annotations may be added to:**
 - Cell
 - Tab
 - Model (e.List item)
- **Annotations may be added at a parent level**
- **Publish cube including review level e.List items**
- **Generate Framework Manager model**
- **Create report**

Add Commentary

The screenshot shows the Cognos Financial Reporting tool interface. The window title is "go_expenses_contributor | Reviews | All Departments - Contributor". The main area displays a grid of Corporate Expenses. The grid has columns for months (May, Jun, Jul, Aug, Sep, Oct, Nov) and rows for various expense categories. A context menu is open over the cell containing the value "1,200" for "601100 Salaries & wages" in the July column. The "Add Commentary" option in the menu is highlighted with a red rectangle.

	May	Jun	Jul	Aug	Sep	Oct	Nov
TOT_PERS Personnel expenses (total)	1,000	1,000	1,200	1,200	1,200	1,200	1,200
601000 Salaries & wages (Subtotal)	1,000	1,000	1,200	1,200	1,200	1,200	1,200
601100 Salaries & wages	1,000	1,000	1,200	1,200	1,200	1,200	1,200
601600 Salaries & wages - bonuses							
605000 Benefits (Subtotal)							
605050 Benefits - pension plan							
605100 Benefits - social security							
605500 Benefits - health insurance							
605700 Benefits - workers compensation							
605800 Benefits - miscellaneous							
TOT_NONPERS Non-personnel expenses (total)	114,917	121,304	143,917	124,203			
611000 Travel (sub-total)	41,655	51,341	79,953	65,376			
611100 Travel: plane, train, bus	26,900	33,605	52,326	42,148			
611300 Travel: vehicle rentals, taxis	1,115	1,576	2,467	1,958			

Multiple Comments

go_expenses_contributor | Reviews | All Departments - Contributor

File Edit View Workflow Actions Help

Travel Costs | Supply Costs | **Corporate Expenses** | Comm Costs | Marketing

Rows: [1 Accounts] Columns: [4 Months] Context: All Departments [2 EList (Departments)] Central Europe [2 Divisions]

	May	Jun	Jul	Aug	Sep	Oct	Nov
TOT_PERS Personnel expenses (total)	1,000	1,000	1,200	1,200	1,200	1,200	1,200
601000 Salaries & wages (Subtotal)	1,000	1,000	1,200	1,200	1,200	1,200	1,200
601100 Salaries & wages	1,000	1,000	1,200	1,200	1,200	1,200	1,200
601600 Salaries & wages - bonuses							
605000 Benefits (Subtotal)							
605050 Benefits - pension plan							
605100 Benefits - social security							
605500 Benefits - health insurance							
605700 Benefits - workers compensation							
605800 Benefits - miscellaneous							
TOT_NONPERS Non-personnel expenses (total)	114,917	121,304	143,915	157,562	157,243	129,766	124,203
611000 Travel (sub-total)	41,655	51,341	79,952	74,200	89,381	73,903	65,376
611100 Travel: plane, train, bus	26,900	33,605	52,323	47,658	57,634	47,726	42,148
611300 Travel: vehicle rentals, taxis	1,115	1,576	2,469	1,981	3,047	1,977	1,958

User: Administrator
Date: March 5, 2009 2:55:17 PM EST
Value: 1,200
 New headcount was for an assistant

User: Administrator
Date: March 5, 2009 2:44:48 PM EST
Value: 1,200
 Headcount increased in the Marketing department in this month.

Current Owner: None

Browse Commentary

Model or Tab	Type	Old Value	Value	User	Date	Last linked by name	Last linked by datetime
Corporate Expenses	User Annotation	1,200	1,200	Administrator	March 5, 2009 2:44:48 PM EST		
Corporate Expenses	User Annotation	1,200	1,200	Administrator	March 5, 2009 2:55:17 PM EST		

User: Administrator March 5, 2009 2:44:48 PM EST

Location: [601100 Salaries & wages, All Departments, Central Europe, Jul, Budget version 1](#)

Headcount increased in the Marketing department in this month.

Commentary Filter

- User Annotation
- Audit
- Attached Document

Commentary View

- Current page
- All pages

Print Close

Publish Options

Cubes | e.List Items | Options

Publish Datastore:
VSYDWIN2K3-2.go_expenses_contributor_table Configure

Data options

- Create columns with data types based on the 'dimension for publish'
- Only create the following columns:
 - Numeric
 - Text
 - Include formatted numeric and date values
 - Date
- Include Rollups
- Include zero or blank values
- Prefix column names with data type
- Apply Translation Table:

Table options

- Include User Annotations
- Include Audit Annotations
- Include Attached Documents

Generate Framework Manager Model Admin Extension

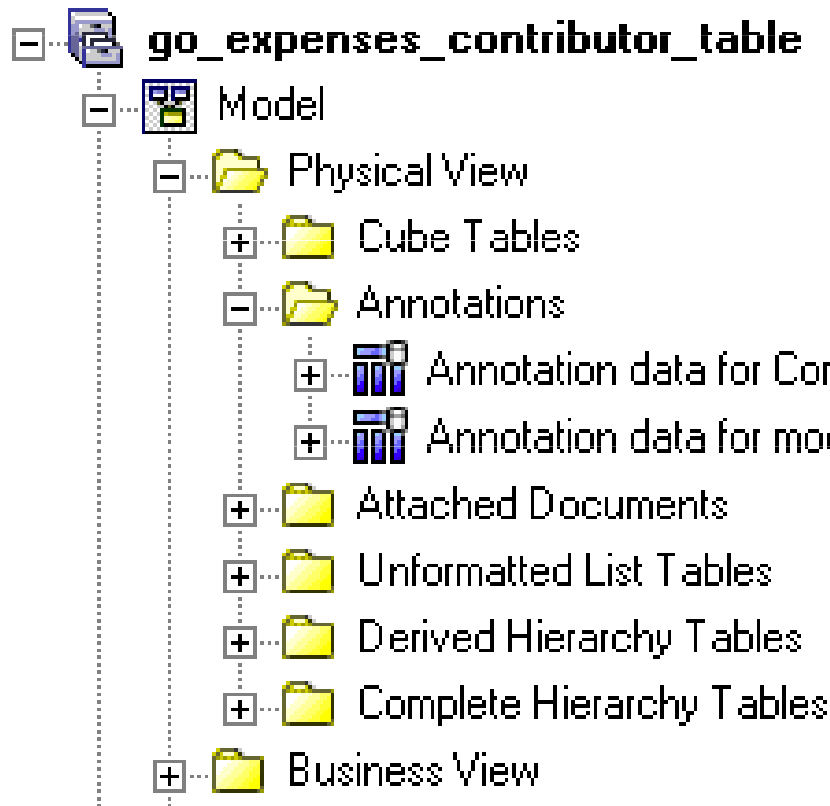
Generate Framework Manager Model

Select data source Query Subjects
Use the checkboxes to select the data source query subjects to include in the model.

Views

- Unformatted lists
- Derived hierarchy lists
- Complete hierarchy lists
- Member based hierarchies
- Include Annotations
- Include Attached Document Information

Framework Manager Queries



**Cell and audit
annotation**

**Tab and model
annotation**

Cell and Audit Annotation Table

Dimensions

Measures

- Annotation data for Corporate Expenses
 - 1 Accounts
 - elist
 - 2 Divisions
 - 4 Months
 - budget_version_1_user_id
 - budget_version_1_date
 - budget_version_1_annotation
 - budget_version_1_value
 - budget_version_2_user_id
 - budget_version_2_date
 - budget_version_2_annotation
 - budget_version_2_value
 - actual_prior_year_1_user_id
 - actual_prior_year_1_date
 - actual_prior_year_1_annotation
 - actual_prior_year_1_value
 - actual_prior_year_2_user_id
 - actual_prior_year_2_date
 - actual_prior_year_2_annotation
 - actual_prior_year_2_value

Repeated for each measure:

_user_id

_date

_annotation

_value

Create Report

Annotations

All Departments

601100 Salaries & wages

Central Europe

Jul

Budget version 1 user id	Budget version 1 date	Budget version 1 annotation	Budget version 1 value
Administrator	2009-03-05 03:44:48	Headcount increased in the Marketing department in this month.	1,200
Administrator	2009-03-05 03:55:17	New headcount was for an assistant	1,200

Summary

- **Annotations may be added to:**
 - Cell
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 - Model (e.List item)
- **Annotations may be added at a parent level**
- **Publish cube including review level e.List items**
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Summary

- **Closing the loop**
- **CP to BI - recap**
- **BI to CP drill through**
- **CP annotations to BI**





THANK
YOU

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