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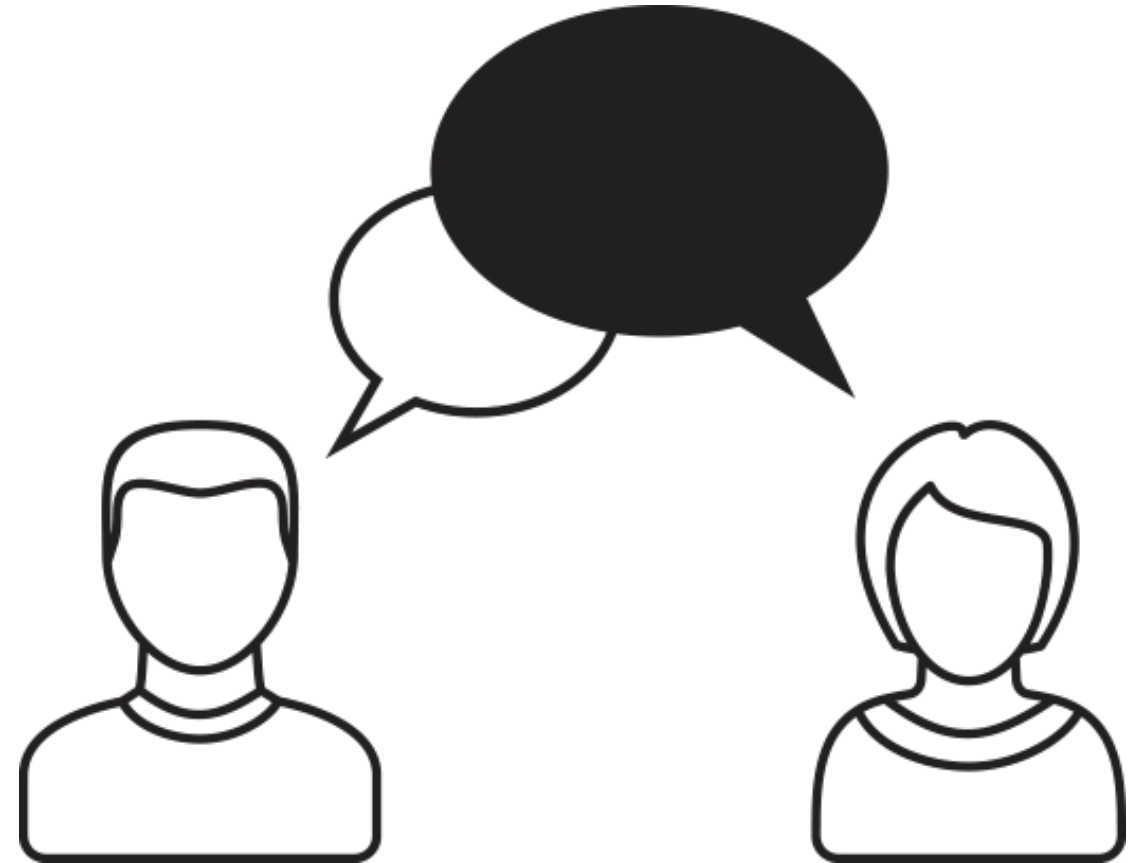
External BI Extracts

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Introductions

- Take 5 Minutes
- Turn to a Person Near You
- Introduce Yourself



Agenda

- Problem statement
- Traditional approaches
- Data Extract Goals
- Rego Data Extractor Tools

Problem Statement

- My data has been taken hostage
- “CA PPM eats like an elephant, and poops like a mouse”
- How do we get data out of PPM?
- How do we get A LOT of data out of PPM?

Traditional Approaches

- Database link
 - Fast
 - Resource inexpensive
 - Not available for SaaS environments
- Export to Excel, Portlets, Reports
 - Slow
 - Resource expensive
 - Narrow scope
- Query as a Web Service (QaaWS)
 - Slow
 - Resource expensive
 - Narrow scope
 - 50,000 record pages
- GEL Script / Interface
 - Fast
 - Inexpensive
 - Narrow Scope

Data Extract Goals

- Goals
 - Large data volume
 - Efficient
 - Broad scope of data
 - SaaS compliant
 - Easily maintained

Rego Data Extractor Tools

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Data Extractor List

- Allows any number of extracts to be defined
- Captures statistics
 - Last Exported Date
 - Records produced in last run
 - Execution time of last run

<input type="checkbox"/>	Name▲	Active	Last Exported Date	Error	Last Exported Records	Last Exported Elapsed Time(s)
<input type="checkbox"/>	Flat Project Financial Information	✓	3/3/17 5:13 PM		2,718	15.54
<input type="checkbox"/>	GL to Hyperion (Forecast)					
<input type="checkbox"/>	Master Resource List	✓	3/3/17 4:51 PM		2,060	0.83
<input type="checkbox"/>	Portfolio Tracker	✓	3/3/17 4:52 PM		982	52.17
<input type="checkbox"/>	Posted Transaction Review	✓	3/3/17 4:51 PM		0	1.52
<input type="checkbox"/>	Posted Transaction Review - Full	✓	3/3/17 5:11 PM		4,783,592	1,155.67
<input type="checkbox"/>	Resource ETC	✓	3/3/17 5:13 PM		2,229	0.92
<input type="checkbox"/>	Resource ETC by Project by Month	✓	3/3/17 4:51 PM		9,272	4.62
<input type="checkbox"/>	Stacked Project Financial Information	✓	3/3/17 5:13 PM		101,821	112.68
<input type="checkbox"/>	Test Extract					

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Data Extractor Configuration

- Extracts can be configured in CA PPM

Name: Fiat Project Financial Information

SQL:

```
SELECT
--port.id port_int_id
-- ,port.NAME portfolio_name
-- ,port.code port_code
-- , p.id
-- , p.portfolio_id
dept.funding_department
, ic.obj_pfl_category1
, c3.NAME portfolio_category_1
, ic.obj_pfl_category2
, c1.NAME portfolio
, ic.obj_work_status
, CASE WHEN ic.obj_work_status = 'REQUESTED' THEN cop_calc_finish_fct(i.schedule_start) WHEN ic.obj_work_status
= 'ACTIVE' THEN cop_calc_finish_fct(i.schedule_finish) END month_of_action
, ws.NAME work_status
, id.investment_int_id
, icode.investment_id
, i.NAME investment
, pt.NAME project_type
, istatus_indicator status_int_id
, si.NAME status_indicator_name
, i.STAGE_CODE stage_str_code
, st.NAME stage_type
, i.schedule_start start_date
, cop_calc_finish_fct(i.schedule_finish) finish_date
, b.start_date baseline_start_date
, cop_calc_finish_fct(b.finish_date) baseline_finish_date
, l.manager_id manager_int_id
, m.full_name investment_manager
, pv.obj_stakeholder3 fin_governance_id
, st3.full_name finance_governance
, EXTRACT(year FROM sysdate) theYear
, extract(year from sysdate)+1 nextYear
/* project to date */
, NVL(act.actual_amt, 0) ptd_actual_amt
, NVL(act.act_capital_amt, 0) ptd_act_capital_amt
, NVL(act.act_expense_amt, 0) ptd_act_expense_amt
, NVL(fc.st.fcst_amt, 0) ptd_fcst_amt
, NVL(fc.st.fcst_capital_amt, 0) ptd_fcst_capital_amt
, NVL(fc.st.fcst_expense_amt, 0) ptd_fcst_expense_amt
, NVL(bgt.bgt_amt, 0) ptd_bgt_amt
, NVL(bgt.bgt_capital_amt, 0) ptd_bgt_capital_amt
, NVL(bgt.bgt_expense_amt, 0) ptd_bgt_expense_amt
-- , pp.prAsOf as_of
```

Active:

Include Headers:

Output Filepath: /fs0/clarity1/share/dwh/
(Example: /fs0/clarity1/share/)

Base Filename: ppm_proj_fin_info

File Extension: .csv
(Example: .CSV)

File Date Format: _____
(Example: yyyy-MM-ddThhmmss)

Separator: ,

Embed in Double Quotes:

Batch Size: _____

Compress:

Processing:

Last Exported Date: 10/28/2016

Last Exported Records: 2,630

Last Exported Elapsed Time(s): 10

Process Instance ID: 5,283,078

Error:

Error Description: _____

Table Extractor List

- Allows any tables to be extracted
- Captures statistics
 - Last Exported Date
 - Records produced in last run
 - Execution time of last run

<input type="checkbox"/>	Table Name ▲	Extract	Table Columns	Table Filters	Last Exported Date	Error	Last Exported Records	Last Exported Elapsed Time(s)
<input type="checkbox"/>	INV_INVESTMENTS	✓			8/25/16 7:19 AM		7	0.26
<input type="checkbox"/>	PRASSIGNMENT	✓			8/25/16 7:19 AM		7	0.06
<input type="checkbox"/>	PRTASK							
<input type="checkbox"/>	PRTEAM							

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Table Extractor Configuration

- Extracts can be configured in CA PPM

Table Name	<input type="text" value="INV_INVESTMENTS"/>	Extract	<input checked="" type="checkbox"/>
Table Columns	<div style="border: 1px solid #ccc; height: 150px;"></div>	Table Filters	<div style="border: 1px solid #ccc; height: 150px;"></div>
Processing			
Last Exported Date	<input type="text" value="8/25/2016"/>	Error	<input type="checkbox"/>
Last Exported Records	<input type="text" value="7"/>	Error Description	<div style="border: 1px solid #ccc; height: 150px;"></div>
Last Exported Elapsed Time(s)	<input type="text" value="0"/>		
Process Instance ID	<input type="text" value="5,024,015"/>		
Executed SQL	<pre>SELECT * FROM INV_INVESTMENTS WHERE 1=1 AND LAST_UPDATED_DATE >= '1980-01-01 00:00:00' AND CREATED_BY = 1</pre>		

Questions?



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Let Rego be your guide.

Thank You For Attending regoUniversity

Instructions for PMI credits

- Access your account at pmi.org
- Click on **Certification**
- Click on **Maintain My Certification**
- Scroll down to **Report PDU's**
- Select **Education-Category B-Continuing Education or Category C-Self-Directed Learning**
- 1 PDU per hour
- Class Name = **regoUniversity**
- Course Number = **Session Number**
- Date Started = **Today's Date**
- Date Completed = **Today's Date**
- Hours Completed = **1 PDU per hour of class time**



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