

- Marie Coleman 04:31 PM
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SCHRUG Alliance 2016

Session Title:	PS Advanced Query Writing
Session Number:	5144
Track:	General Interest Track
Session Type:	Pre Conference Workshop
Room Assignment:	Space City - Rm 214 => Thu, Jul 28, 2016 (03:00 PM - 04:30 PM)
Initial Submission:	May 06, 2016 06:20 AM America/Central
Status:	Approved and Accepted
Session Submitter:	Marie Coleman
Primary Presenter:	Marie ColemanUniversity of Houston SystemApplication LeadYou are currently missing the following information from your user profile: ProfilePicture.Please click here to update your profile information.
Co-Presenter:	[Unassigned]
Co-Presenter 2:	[Unassigned]

Vendors not allowed to download files?:	No
Last Update:	May 23, 2016 10:05 AM America/Central
Short Details:	Attendees will be exposed to the concepts of query writing and the functionality offered by the PeopleSoft Query toolset in developing advanced queries. The PS Query toolset provides the easiest mechanism to create and generate simple reports in PeopleSoft
Details:	This workshop guides users in learning the concepts and procedures related to the PeopleSoft Query toolset. The PS Query toolset provides the easiest mechanism to create and generate simple reports from PeopleSoft. While PS Queries cannot be used to produce highly formatted and graphical reports, it is very effective in extracting day-to-day inquiry queries that are of interest to employees, managers and administrators. Data extracted through the PS Query tool is also frequently used as the data source in other processes such as Pop-Select.
	Building on concepts presented from Basic Query Writing, topics covered in this workshop include:
	 Understand how to incorporate advanced query features Creating queries with Aggregate Functions Creating queries with Having Criteria Creating queries with Grouped Criteria ("AND" vs "OR") Creating queries with Prompts, Prompt Defaults, and Optional Prompts Creating queries with Expressions, Drilling URLs, using SQL Functions, Regular Expressions, and Partitioning Joining Multiple Tables, working with Effective Date outer joins Creating queries that use Subqueries Creating queries with Unions Query Administration Query Metadata tables (PSQRY)
Additional Notes:	
Session Length:	Workshop (90-120 minutes)
Learning Objectives:	 * Learn advanced query writing methodology. * Understand the advanced query writing functionality offered by the PS Query tool and know how to apply the mechanics of writing an advanced query in PS for complex data extraction needs. * Become familiar with broader PS Query writing concepts related to using SQL functions

SCHRUG Alliance 2016

PEOPLESOFT ADVANCED QUERY WRITING Session 5144 July 28, 2016



PS Basic Query Writing

• Advanced query functionality for complex data extractions in PeopleSoft Query Manager



Your Presenter:

• Marie Coleman

Application Lead, University of Houston System

8 years PeopleSoft experience in Higher Education



Overview

• Attendees will be exposed to advanced concepts of query writing and the functionality offered by the PeopleSoft Query toolset in developing complex queries. The PS Query toolset provides nontechnical/functional users the easiest mechanism to create and generate simple data reports from PeopleSoft.



Agenda/Contents

- Creating queries with Aggregate Functions and using Having Criteria
- Creating queries with Prompts, Prompt Defaults, and Optional Prompts
- Creating queries with Expressions, using SQL Functions, and Partitioning
- Joining Multiple Tables, working with Effective Date outer joins



Agenda/Contents

- Creating queries that use Subqueries
- Creating queries with Unions
- Query Administration



UNIVERSITY OF HOUSTON SYSTEM

Established in 1927

- Serving 66,000~ students
- Staffed by 7,000~ employees
- UH System institutions:
 - UH Central
 - UH Clear Lake
 - UH Victoria
 - UH Downtown (conversion from Banner to PeopleSoft targeted for Fall 2018)





UH System & Oracle

Campus Solutions

- Application v. 9.0; Bundle 41
- PeopleTools v. 8.54

HRMS
Application v. 9.2
PeopleTools v. 8.54

Finance

Application v. 9.1
PeopleTools v. 8.54

Oracle Database 11g



Learning Objectives

• Learn advanced PS Query concepts

 Understand the advanced functionality offered by the PS Query tool and know how to successfully apply the mechanics of writing an advanced query in PS for complex data extraction need

 Become familiar with broader PS Query writing concepts related to using SQL functions in developing queries, and using Query Administration on the administrative back end



PeopleSoft Query Writing: Advanced

Aggregate Functions and Having Criteria



• In a standard query, each row in the result set corresponds to an <u>individual row</u> in the table that you are querying. Sometimes, however, you instead want a summary of the information in multiple rows. For example, you might want to know how many students are currently associated to the programs.

• You can query for this kind of summary information using Aggregate Functions.



 An aggregate function is a special type of operator that returns a single value based on multiple rows of data. When your query includes one or more aggregate functions, PeopleSoft Query collects related rows and displays a single row that summarizes their contents.



- Options for aggregating fields include:
 - None: Will not use aggregate functions.
 - Sum: Adds the values from each row and displays the total
 - Count: Counts the number of rows
 - Min (minimum): Checks the value from each row and returns the lowest one
 - Max (maximum): Checks the value from each row and returns the highest one
 - > Average: Adds the values from each row and divides the result by the number of rows.



• To add an aggregate:

Click on the state button for the field's properties in the Fields tab.

Records Query Expressions Prompts Fiel	ds Cr	Iteria	На	ving	View SQL Run			
Query Name New Unsaved Query Description View field properties, or use field as criteria in query statement. Reorder / Sort								
Fields				P	ersonalize Find View A	1 🗖 🛗 Fi	st 🚺 1-2 of 2	Last
Col Record.Fieldname	<u>Format</u>	<u>Ord</u>	<u>XLAT</u>	<u>Agg</u>	Heading Text	Add Criteria	Edit D	elete
1 AEMPLID - Empl ID	Char11				ID	°.	Edit	-
2 AACAD_CAREER - Academic Career	Char4				Career	°.	Edit	-
Save Save As New Query Preferences	<u>Properti</u>	es	Publish	i as Fe	ed <u>New Union</u>		Ret	turn To Search



- To add an aggregate...
 - Under the Aggregate group box on the right hand side of the page, click on the desired aggregate Radio Button and Click .

Edit Field Properties Field Name: A.Empl ID		
Heading No Heading RFT Short Text RFT Long Heading Text: ID *Unique Field Name: A.EMPLID	Aggregate None Sum Count Min Max Average	
OK Cancel		HE

- To add an aggregate...
 - Under the Aggregate group box on the right hand side of the page, click on the desired aggregate Radio Button and Click .

Edit Field Properties Field Name: A.Empl ID		
Heading No Heading RFT Short Text RFT Long Heading Text: ID *Unique Field Name: A.EMPLID	Aggregate None Sum Count Min Max Average	
OK Cancel		HE

- To add an aggregate...
 - Running the query, you will see summarized values for the aggregated field that are grouped by the non-aggregated fields.

Query Expressions Prompts Fields Criteria	Having View SQL Run	
erun Query Download to Excel Download to XML		First 🚺 <u>1-5 of 5</u> 🕨 Last
Career		Count ID
UGRD		1275192
GRAD		330149
LAW		40308
OPT		15507
PHRM		14691
e	Query Expressions Prompts Fields Criteria erun Query Download to Excel Download to XML Career UGRD GRAD LAW OPT PHRM	Query Expressions Prompts Fields Criteria Having View SQL Run erun Query Download to Excel Download to XML Career Image: Career Image: Career UGRD Image: Career Image: Career Image: GRAD Image: Career Image: Career Image: Career Image: Career Image: Career Image: OPT Image: Career Image: Career <



- The "Having" page allows the user to create and edit criteria for fields that have aggregate functions associated with them.
- You cannot use fields that are being aggregated as regular criteria.
 - SQL does not support the use of aggregate functions in WHERE clauses.
 - Therefore, after you have applied an aggregate function to a field, you cannot use that field in your selection criteria, which corresponds to a SQL WHERE clause.



 When you want to filter rows based on the results of an aggregate function, Query Manager enables you to create HAVING criteria.

- You might use such criteria, for example, when you want a list of the students having two or more degrees.
- In SQL, a HAVING clause is similar to a WHERE clause for rows of data that have been aggregated into a single row of output. The system evaluates WHERE clauses by looking at the individual table rows before they are grouped by the aggregate function, and then it evaluates HAVING clauses after applying the function.



- When you click the Add Criteria icon from the Fields or Query pages for an aggregate field, new criteria is added to the Having page instead of the Criteria page.
- Add selection criteria using the Having page in the same way that you add selection criteria using the Criteria page. Keep in mind that PeopleSoft Query compares the result of applying the aggregate function to the comparison value



- To add having criteria:
 - Having criteria can be initiated either from the Having tab and clicking on the Add Having Criteria button, or can be initiated by clicking on the Criteria funnel icon from the Query and Fields tabs.
 - Set the appropriate criteria condition type for the aggregated field and appropriate Expression 2

parameters.

Choose Expression 1 ype Field Expression	Expression 1 Choose Record and Field Record Alias.Fieldname: Q A.EMPLID - Empl ID
*Condition Type: pose Expression 2	greater than Expression 2
© Field © Expression	Define Constant Constant: 100
 Constant Prompt Subquery 	
OK Cancel	

Seeing it in Action... Aggregate Functions and Having Criteria



PeopleSoft Query Writing: Advanced

<u>Creating queries with Prompts, Prompt</u> <u>Defaults, and Optional Prompts</u>



- The Prompts page allows the user to attach runtime parameters to the query.
- Adding a prompt lets you further refine a query at the time of running it.
- To access the Edit Prompt Properties click the Add Prompt button or the Edit button on the Prompts page.
- <u>Note</u>: When using a prompt table on a field from a record definition with multiple keys, you must prompt for all higher-level keys before lower-level keys. PeopleSoft Query needs values for the higher-level keys to generate the correct prompt list.



• Setting Prompt Properties:

<u>Page Object</u>	<u>How Used</u>
Field	Click the Look Up button next to the Field Name field to select a prompt field. After you select a prompt field, the name of the field appears. PeopleSoft Query looks to the record definition for information about this field and completes the rest of the page based on its properties.
Туре	Indicates the type of the field.
Format	Specifies the field format. Over a dozen formats are available, including Name, Phone, Social Security Number, and Zip Code.
Length	Indicates the field length.
Decimals	Defines the number of decimals that are allowed.
Edit Type	Defines the type of field edit for the specified field. No Table Edit is the default value. In general, you should use the same edit type that is used in the field record definition so that this edit type is consistent throughout
Heading Type	 Select a heading type for the prompt from the following values: Text: The prompt heading is the free text that you have entered in the text box. RFT Short: The prompt heading is the short name from the record definition. RFT Long: The prompt heading is the long name from the record definition.

Edit Prompt Properties

	*Heading Type RFT Long
*Type Character	Heading Text Academic Institution
*Format Upper •	*Unique Prompt Name BIND1
Length 5 Decimals	
*Edit Type	Prompt Table
Prompt Table	
Optional Default Value OK Cancel	
	HERE EDUCATION USER GROUP

• Setting Prompt Properties:

<u>Page Object</u>	<u>How Used</u>
Heading Text	Displays the label for the text box where you enter the comparison value. To change the text, select Text from the Heading Type drop-down list box, and then enter the new label in the Heading Text text box.
Unique Prompt Name	A default value that Query Manager generates for globalization. Only baselanguage users can set this value to uniquely identify a query prompt parameter
Prompt Table	If the edit type is Prompt Table, you can select a prompt table to use. If the edit type is Translate Table, the value in the drop-down list box determines the values used. PeopleSoft Query assumes that the specified field has translate table values associated with it, and that the field is identified as a translate table field in its record definition

Edit Prompt Properties

Field Name	*Heading Type RFT Long 🔻
*Туре	Heading Text
Character •	Academic Institution
*Format	*Unique Prompt Name
Upper 🔻	BIND1
Length 5 Decimals	
*Edit Type	Prompt Table
Prompt Table 🔹	
Optional	
Default Value	
OK Cancel	
	HEHER EDUCATION USER GROUP

• Setting Prompt Properties:

<u>Page Object</u>	<u>How Used</u>
Optional	 Use this option to define whether the prompt is optional or required. Select this option to indicate that the query prompt is optional. When the prompt is set to optional, a query may return a large result set because results are not limited or restricted by a prompt value. Clear this option to indicate that the query prompt is required. By default, the Optional option is cleared and a valid prompt value must be selected or entered when you run the queries that have prompts.
	Note: A required prompt value must be validated based on the Edit Type list. Prompt with the Edit Type set to Yes/No Table cannot be set as optional prompt because there are only two valid values, Y and N.
Default Value	Use this field to set a default value for the prompt. The value in this field is used to populate the prompt when no other prompt value is selected or entered. For character fields, you can add a default prompt value that has up to 254 characters long.
	Note: Entering a default value for a prompt set the prompt to required. If the Optional option is selected, when you enter a default prompt value for the prompt, the Optional option is cleared and a message appears saying: "Optional prompt cannot have default value. Prompt is now set to be required." Default prompt value is not a translatable field. Tree prompts cannot be used as the

default or optional prompt values.

Edit Prompt Properties

	*Heading Type
*Type Character	Heading Text Academic Institution
*Format Upper •	*Unique Prompt Name BIND1
Length 5 Decimals	
*Edit Type	Prompt Table
Prompt Table	
Optional Default Value OK Cancel	
	HERE EDUCATION USER GROUP

Seeing it in Action... Prompts, Prompt Defaults, and Optional Prompts



PeopleSoft Query Writing: Advanced

Creating queries with Expressions, using SQL Functions, and Partitioning



- Expressions are calculations that PeopleSoft Query performs as part of a query.
- Use them when you must calculate a value that PeopleSoft Query does not provide by default
 - For example, to add the values from two fields together or to multiply a field value by a constant.



• You can work with an expression as if it were a field in the query:

- Select it for output
- > Change its column heading
- Choose it as an "order by" column.

 The result of an expression can be text, a date/time, a number, or URL and may be displayed and used in criteria as if it were a real field.



- In Query Manager, you can use expressions in two ways:
 - As comparison values in selection criteria.
 - > As columns in the query output.

• Fields from records can be used in expressions by using their actual name, not their description and preceding the name with their alias and a period. Prompts can be used in expressions by using a colon followed by the prompt number, such as ":1".



- One type of calculation that can be performed is mathematical.
- Standard mathematical order of operations (multiplication and division are done before addition and subtraction; computation goes from left to right) is used.
 - Parentheses can be used to group calculations together and force them to be done out of this order. You can add, subtract, multiply and divide numeric values. The mathematical operators are:
 - + (addition)
 - (subtraction)
 - * (multiplication)
 - > / (division)



- Expressions can also contain Functions, which take some input values and return an output value.
- Functions operate similar to how they do in mathematics. Functions in expressions are of the form FUNCTION_NAME(arg1, arg2, ..., argN), where FUNCTION_NAME is the name of the function and arg1, arg2, etc. are its arguments, which are the input values.



- When using a function in an expression, the name must be spelled exactly as expected, the argument list must be enclosed in parentheses, all arguments must be separated by commas, and all required arguments must be given. (There are sometimes optional arguments.)
- Functions that can be used in PeopleSoft Query Expressions are based on the version of the database platform the PeopleSoft application runs on.



Edit Expression Properties		
*Expression Type	_	
Character -	Length	30
Aggregate Function	Decimals	
Expression Text		
'The student ID is ' AEMPLID		First 🖪 <u>1-100 of 36762</u> 🕨 Last
		'The student ID is ' A.EMPL
		The student ID is 0565265
	-	The student ID is 0565366
Add Prompt Add Field		The student ID is 0565395
OK Cancel		The student ID is 0565535
		The student ID is 0577152
		The student ID is 0577210
		The student ID is 0577399



• Setting Expression Properties

<u>Page Object</u>	<u>How Used</u>
Expression Type	Identifies how the resulting data output should be read.
Length	For character and numeric expression types, enter the total number of digits the expression should have.
	For Number and Signed Number, expression types, the Length field defines the total length of the number (integer portion + decimals portion). For example, if Length = 10 and Decimals = 3, then this means that the integer portion = 7 (Length - Decimals = Integer).
Decimals	Identifies the number of digits that should fall behind the decimal point.
Aggregate Function	If you are entering an aggregate value, such as SUM, AVG, or COUNT, select the Aggregate Function check box.
	If you put an aggregate function into an expression, you must check the Aggregate Function checkbox, or you will receive the error "not a single-group group function." This is indicating that you are trying to use an aggregate function on results that are not being aggregated.



• Setting Expression Properties

<u>Page Object</u>	<u>How Used</u>
Expression Text	In the Expression Text field, enter the expression. Query Manager inserts the expression into the SQL for you
Add Prompt	Click the Add Prompt button to add prompt properties for this expression.
Add Field	Click the Add Field button to add fields to the expression.
OK	Click the OK button to have Query accept the expression.
Cancel	Click the Cancel button to cancel the current edits made to the epression.



- Analytic functions compute an aggregate value based on a group of rows. They differ from aggregate functions in that they return multiple rows for each group. The group of rows is called a window.
- Analytic functions are the last set of operations performed in a query except for the final ORDER BY clause. All joins and all WHERE, GROUP BY, and HAVING clauses are completed before the analytic functions are processed.
- Analytic functions are commonly used to compute cumulative, moving, centered, and reporting aggregates.

• Calculations are independent of output.



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• Calculations are independent of output.



• Syntax:

- ▷ [.....] (.....) OVER (PARTITION BY)
- ▷ (.....) OVER (PARTITION BY)
- > () OVER ()
- > (.....) OVER (PARTITION BY ORDER BY DESC)
 - ASC | DESC Specify the ordering sequence (ascending or descending)
 - > ASC is the default
- (.....) OVER (PARTITION BY ORDER BY DESC NULLS LAST)
- NULLS LAST is the default for ascending order.
- NULLS FIRST is the default for descending order

• Examples:

COUNT (A.EMPLID) OVER (PARTITION BY A.STRM)



• Examples...

- COUNT (A.EMPLID) OVER (PARTITION BY A.ACAD_LEVEL_BOT)
- COUNT (DISTINCT A.EMPLID) OVER (PARTITION BY A.ACAD_LEVEL_BOT)
- COUNT (DISTINCT A.EMPLID) OVER (PARTITION BY A.ACAD_LEVEL_BOT, A.STRM)
- SUM (A.UNT_TAKEN_PRGRSS) OVER (PARTITION BY A.EMPLID)
- (.....) OVER (PARTITION BY A.ACAD_LEVEL_BOT ORDER BY A.CUM_GPA DESC)
- (PERCENT_RANK () OVER (PARTITION BY A.ACAD_LEVEL_BOT ORDER BY A.CUM_GPA DESC)) * 100
- PERCENT_RANK () OVER (PARTITION BY A.ACAD_LEVEL_BOT ORDER BY A.CUM_GPA DESC)
- ROW_NUMBER() OVER ([query_partition_clause]



Seeing it in Action... Expressions, using SQL Functions, and Partitioning



PeopleSoft Query Writing: Advanced

Joining Multiple Tables, working with Effective Date outer joins



- Query Manager enables you to create queries that include multiple-table joins. Joins retrieve data from more than one table, presenting the data as if it came from one table. PeopleSoft Query links the tables, based on common columns, and links the rows on the two tables by common values in the shared columns.
- Joins are what make relational databases relational. Using joins, you define relationships among fields when you query the records, not when you create the records. Because PeopleSoft records are highly normalized (they each describe one kind of entity), you can easily use Query Manager to create joins.



- The procedure for joining tables differs depending on how the tables that are being joined are related to each other.
- The categories of joins focus on what relationships exist between records that will be connected in a query. Query Manager recognizes three categories of joins:
 - > Record Hierarchy
 - > Related Record
 - > Any Record



• The types of joins focus on how records are connected in a query. Query Manager recognizes two types of joins based on how the tables are related to each other, they are:

Inner joins (aka Standard Join)

Outer joins (aka Left Join and Left Outer Join)

 Key to creating queries with joins is identifying the appropriate data elements (fields) that must be connected in the query



- Record Hierarchy Joins connects a parent table to a child table. A child table is a record that uses all the same key fields as its parent plus one or more additional keys
- To create Record Hierarchy joins, click on the 'Hierarchy Join' link next to the field having a hierarchal relationship in the Query tab. Then click on the link of the record you want to perform the hierarchal join on.
 - All of the records that have a parent/child relationship with the base record you've selected will be listed (the parent/grandparent of that record will be listed as well as the children/grandchildren of that record will be listed).



- Note: For the record hierarchy relationships to show up in the Query Tool, the developers have to set up that relationship when designing the records. If a developer does not set up the relationship, it will not show up in the Query Tool.
- Note: When you create a Record Hierarchy join, PeopleSoft Query automatically adds an "Inner Join" criteria between the tables on key fields. The hierarchy criteria is embedded within the SQL statement generated by the query; you cannot make changes to the hierarchy criteria and must click on the SQL tab to see the embedded criteria.



• Record Hierachy Join:

Records Query Expressions Prompts Fields Criteria H	laving View SQL Run
Query Name New Unsaved Query Click folder next to record to show fields. Check fields to add to query. Uncheck additional records by clicking the records tab. When finished click the fields tab Chosen Records	Description a fields to remove from query. Add $\frac{h}{2} \widehat{\label{eq:scalar}}$
Alias Record Image: A UHIR_STDNT_ACTI - Reporting Table-Stdnt Semester Save Save As New Query Preferences Properties Public	Hierarchy Join 🖃
	Select record for hierarchy join
	 PERSON - PERSON record STDNT_CAREER - Student Career UHIR_STUDENTS - Reporting Table-Student Data UHIR_STDNT_ACTI - Reporting Table-Stdnt Semester
	HEUG

- Related Record joins connects records that have been predefined by the developer to show a relationship with each other based on a specific field in the table. Those predefined relationships for fields are indicated in the Query Tool by a link on the right hand side of the field in the Query tab.
- Related Record join functionality is very useful in quickly identifying and incorporating additional fields of data from unknown master tables into the query definition.



- To create Related Record joins, click on the record hyperlink next to the field having a related record relationship in the Query tab.
- Related Record join functionality allows the user to specify if they want the additional table to be added as either an Inner join or Outer Join. However note: the added criteria is embedded within the SQL statement generated by the query; you cannot make changes to the related record criteria and must click on the SQL tab to see the embedded criteria.



• Related Record Join:

Records Query Expressions Prompts Fields Criteria Having V	iew SQL Run
Query Name New Unsaved Query Description Click folder next to record to show fields. Check fields to add to query. Uncheck fields to ren additional records by clicking the records tab. When finished click the fields tab. Chosen Records	n nove from query. Add ≜≎
Alias Record A UHIR_STUDENTS - Reporting Table-Student Data Check All Uncheck All	Hierarchy Join
Fields Find View	All First I 1-50 of 63 Last
Image: Weight of the second	PEOPLE_SRCH - % Internet inter
UHIR_ENROLL_CURR - Currently Enrolled Flag NAME - Name	94 94
LAST_NAME - Last Name FIRST_NAME - First Name MIDDLE_NAME - Middle Name	94 94 94
SSN - Social Security#	94 94
UHIR_UHASSIGNEDSSN - UH Assigned Social Security#	94
BIRTHDATE - Date of Birth SEX - Gender ETHNIC_GRP_CD - Ethnic Group	
Ethni	ic Group Table

Creating Queries with Unions

Working on selection Top Level of Query								Subquery/U	nion Navigatio	n
View field properties, or use field as criteria in query state	ment.					Re	order / S	ort		
Fields Personalize Find View All 💷 🔢 First 🕚 1-3 of 3									3 🕑 Last	
Col Record.Fieldname	Format Ord XLAT Agg Heading Text Add Criteria Edit									
1 A.EMPLID - Empl ID	Char11				ID	9.		Edit		
2 A.CUM_GPA - Cumulative GPA	Num6.3	3			GPA	9		Edit		
3 0.00	Num5.2	2			UHIR_SAT_COMP	9		Edit		
Save Save As New Query Preferer	ces F	Propert	ies	Ρ	ublish as Feed	Publish as Pi	ivot Grid		N	lew Union
Select subquery or union to navigate to Left Right Top Level of Query Union 1										
Working on selection Union 1							Sub	query/Union Navi	gation	
View field properties, or use field as criteria in query stateme	nt.					Reorder / S	Sort			
Fields				Perso	nalize Find View All	2 🔜	First) 1-3 of 3 🕑 La	st	
Col Record.Fieldname	Format Or	d XLA	T Agg	Head	ding Text A	dd Criteria	Edit	Delete		
1 B.EMPLID - Empl ID	Char11			ID		9.	E	dit		
2 0.00	Num6.3			CUN	/_GPA	9	E	dit		
3 B.UHIR_SAT_COMP - SAT Comprehensive Score	Num5.2			SAT	Total	9	E	dit		
Save Save As New Query Preferences	Save Save As New Query Preferences Properties Publish as Feed Publish as Pivot Grid New Union Delete Union									

Seeing it in Action... Creating Queries with Unions



PeopleSoft Query Writing: Advanced

Query Administration



Query Administration

- PeopleSoft offers an administrative feature for users who may have oversight or involvement for monitoring query activity.
- The Query Administration component is located via navigation PeopleTools > Utilities > Administration > Query Administration
- Users are able to perform administrative actions such as assign a query to another user (handy when terminated employees have private queries that another user desires), delete a query, rename a query, move a query to a folder, turn logging on/off for a query, track execution stats for queries, and set query statistics and timeout options.



Query Administration

Admin	Executing Se	ttings										New V
Choose a predefined search: Queries that have been run in the last (n) days \checkmark (n) = 10 Search												
OR per	OR perform a manual search:											
Search b	oy: Query Name	✓ begins with ✓ ADHOC_	U		Search]						
Search r	esults for: Manual	search - Query Name begins with	ADHOC_U									
Cheo	ck All Und	check All										
Query	List						Personalize	e Find View A		🖌 Fir	rst 🕚 1-2 o	of 2 🕑 Last
Select	Owner ID	Query Name	Folder	Avg Time	Avg Rows	# Runs	Last Run Date	Last Run Time	Logging	Disabled	View SQL	View Log
	0897289	ADHOC_UHCB_FAC_DEPTS		0.007	5806.000	3	04/10/2009	4:45PM	Off	No	View SQL	View Log
	0897289	ADHOC_UHS_FAC_DEPTS		0.010	21895.000	1	04/10/2009	4:42PM	Off	No	View SQL	View Log
Loggi	ng On E	Assign New Own	er Delete	Re	ename	Move	to Folder C	lear Stats/Logs]			
Loggii	ng Off	Disable										



Query Administration

Admin	Executing	Settings							New W	indow Help	Personali	ze Page
Choose	Choose a predefined search:											
Queries	Queries that have been running longer than (n) minutes \checkmark (n) = 10 Search											
OR per	form a manu	al search:										
Search b	oy: Owner ID	✓ begins	with V	Se	arch							
Search re	esults for: Manı	ial search - Owr	ner ID begins with									
Cheo	ck All	Uncheck All										
Query	List									Personalize	Find Viev	v All 🗇
Select	User ID	Owner ID	Query Name	Domain ID	Process Identifier	Host	Machine Name	Status	Started	Timeout End Time	Number of Times Killed	Logging
	0826254		ACCT_DEPT_BUDGET_MATCH_ERN	saprd1_33390	5324	129-7-66- 229.dhcp.uh.edu	aquarius	Killing	08/09/2007 8:25AM			Off
	0457651	<public></public>	UH_NEW_STNDT_CONF_REG_EV_ALL	saprd1_183882	23925	129.7.125.138	hpsmappp02.fast.uh.edu	Running	07/06/2015 3:38PM			Off
	0163429	<public></public>	UHCL_FA_SCHL_APPS_DETAIL	saprd2_169468	20768	129.7.91.142	hpsmappp04.fast.uh.edu	Running	11/09/2015 3:55PM			Off
Kill Sel	ected Processe	s Logg	ing On Logging Off Enat	ble Query	Disable Query							
			Admin	Executir	ng Settin	gs						

Enable Query Timeout
 Run Query Statistics



Seeing it in Action... Query Administration



Questions?



Contacts

• Marie Coleman

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