

PeopleSoft Query Basics and Best Practices

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Agenda

- Overview of PeopleSoft Query
- Best Practices
- Training Resources



PeopleSoft Query

- An end-user reporting tool that allows you to retrieve information from the PeopleSoft database tables.
- Instead of writing code (SQL statements), you use a graphical user interface to extract the precise information that you are looking for.



Data Basics

- What is a Table or Record
 - A record is a collection of data items

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4	Noah	Wiley	333 Hollywood Bl	Hollywood	CA 9000	0 999-444-1234	
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• **PS_JRNL_HEADER** record

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PS_JRNL_HEADER

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Table and Field Names

- Look at an existing query
- List of Commonly Used Tables (Records)
- ERDs
 Entity Relationship Diagram

http://www.usg.edu/gafirst-fin/training http://www.usg.edu/gafirst-fin/documentation



Table and Field Names

EXISTING QUERIES

- Look at an existing query in Query Manager or Query Viewer
 - Module Specific Queries naming convention
 - BOR_AP_%
 - BOR_GL_%
 - BOR_EX_%
 - Etc.



Table and Field Names

EXISTING QUERIES

- See Module Specific Job Aids
 - Accounts Payable Inquiries, Queries, and Reports
 - General Ledger and Commitment Control Queries
 - PeopleSoft v9.2 Budget Prep Queries and Reports
 - Etc.



Security Roles

- **BOR_PT_QRY_ALLACCGRPS**: You must have this role in order to access the records you need to query.
- And 1 of the following roles (Only one)
 - BOR_PT_QRY_VIEWER (Gives a user access to run public queries).
 - BOR_PT_QRY_**PRIVATE** (Gives a user access to create private queries only, run private and public queries.)
 - BOR_PT_QRY_**PUBLIC** (Gives a user access to create private and public queries, run private and public queries.)



Security Roles

- Other roles that may be necessary:
 - **BOR_QRY_SENSDATA** (gives query access to sensitive data records that may contain things such as SSN#s, emplids, etc.)
 - **BOR_PT_QRY_BUDPREP** (Gives access to the budget prep records)
 - **BOR_QRY_XXXXX** (each institution has a query specific role that allows access to their banner views)
 - **BOR Reconciliation User** provides access to ADP data (Limit to those only working with ADP data).



Navigation

- Reporting Tools > Query > Query Manager
 or
- Reporting Tools > Query > Query Viewer
 Depending on your security roles



Dissecting a query



Favorites Main Menu > Reporting Tools > Query > Query Manager		
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Query Manager		
Enter any information you have and click Search. Leave fields blank for a list of all values.		
Find an Existing Query Create New Query		
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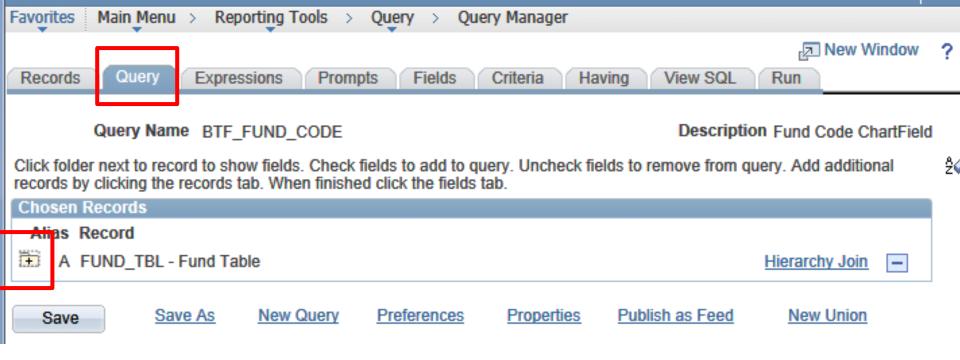
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6	SHARE	12000	02/21/2013	1	Auxiliary Enterprises	Aux Enterp	N	234	03/11/2013 3:09:24PM					
7	SHARE	12000	06/24/2013	I	Auxiliary Enterprises	Aux Enterp	N	234	07/17/2013 5:02:34PM					
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9	SHARE	21922	01/01/1901	A	USO-Health Insurance Reporting	USOHealth	N	213	05/11/2009 2:30:49PM					
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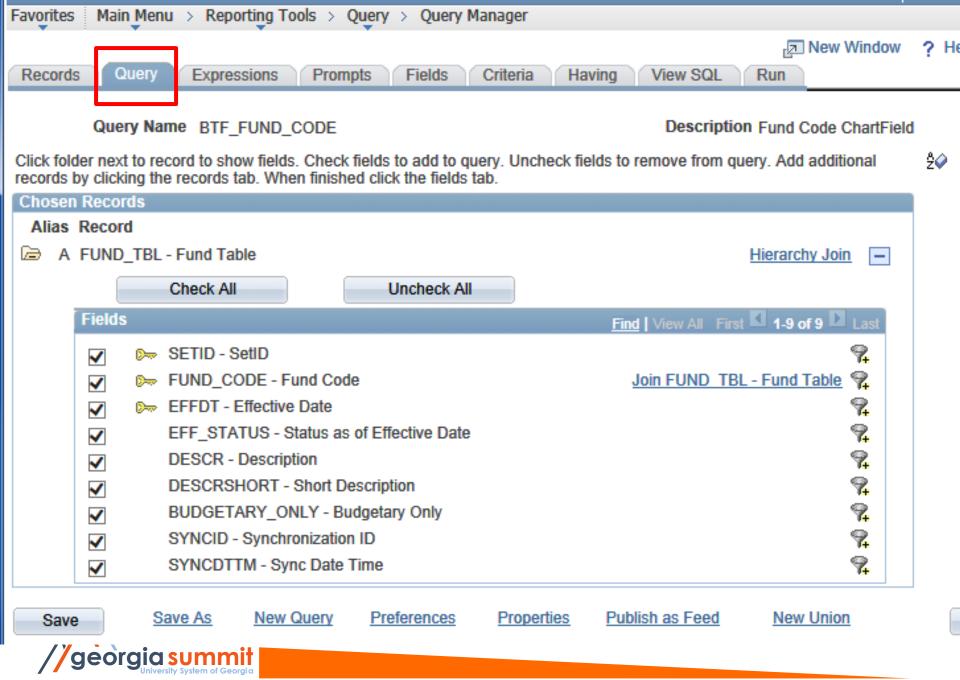


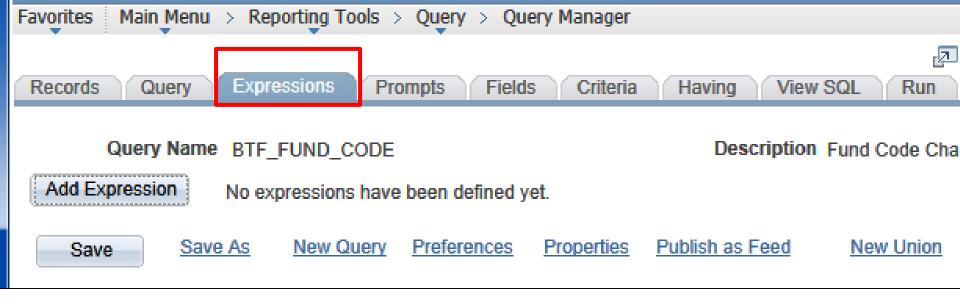
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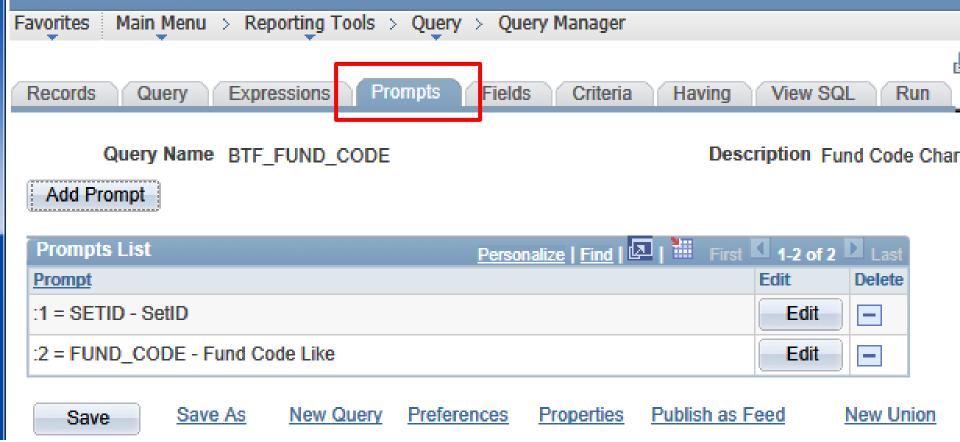




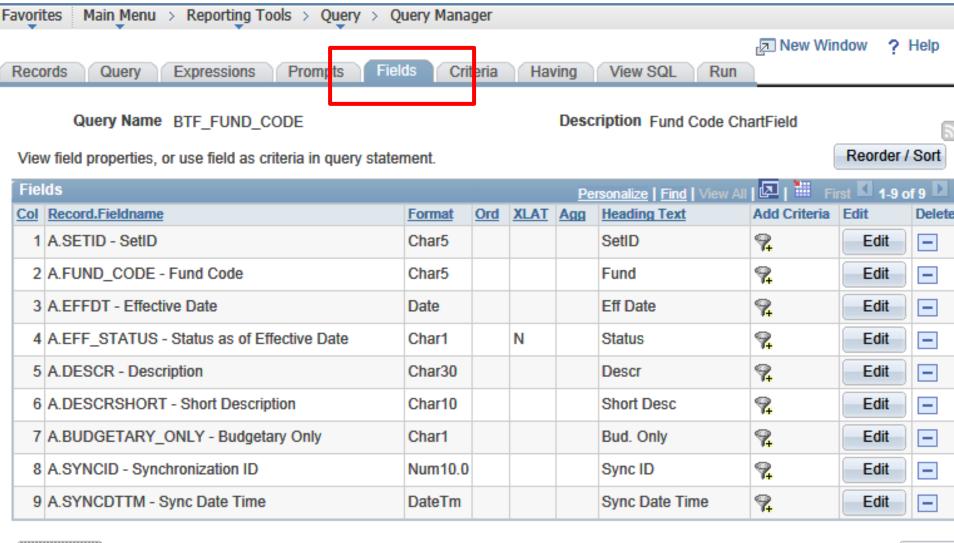


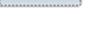












Save

Save As New Query

Preferences Properties

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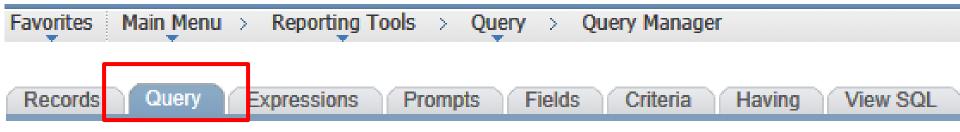
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Query Name BOR_AP_DUE

Descripti

Click folder next to record to show fields. Check fields to add to query. Uncheck fields to remove from querords by clicking the records tab. When finished click the fields tab.

Chosen Records Alias Record A PYMNT_VCHR_XREF - Voucher Scheduled Payment B VOUCHER - AP Voucher Header Table C VENDOR - Vendor Header Table D VENDOR_PAY - Vendor Payment Defaults



Records Query

Fields

Criteria

Having View SQL Run

Query Name BOR_AP_DUE

Description AP Scheduled thru Selected Dt

Feed

Reorder / Sort

View field properties, or use field as criteria in query statement.
Fields

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2	C.NAME1 - Name 1	Char40				Name	9 <mark>4</mark>	Edit	-
3	A.VNDR_LOC - Vendor Location	Char10				Location	9 <mark>4</mark>	Edit	-
4	A.REMIT_ADDR_SEQ_NUM - Remitting Address	Num5.0				Address Seq	9 <mark>.</mark>	Edit	-
5	C.VENDOR_STATUS - Vendor Status	Char1		S		Vendor Status	%	Edit	-
6	A.VOUCHER_ID - Voucher ID	Char8				Voucher	9 <mark>4</mark>	Edit	-
7	A.SCHEDULED_PAY_DT - Scheduled to Pay	Date				Scheduled	9 <mark>.</mark>	Edit	-
8	A.DSCNT_DUE_DT - Discount Due Date	Date				Disc due	%	Edit	-
9	A.DUE_DT - Due Date	Date				Due	9 <mark>.</mark>	Edit	-
10	B.ACCOUNTING_DT - Accounting Date	Date				Vchr Acctg Date	9 <mark>.</mark>	Edit	-
11	A.PYMNT_GROSS_AMT - Gross Payment	SNm25.3				Gross Amt	9	Edit	



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	AND 🗸	A.PYMNT_SELCT_STATUS - Payment Selection Status	in list	('D','N','R','V')	Edit	-			
	AND 🗸	A.BUSINESS_UNIT - Business Unit	equal to	B.BUSINESS_UNIT - Business Unit	Edit	-			
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Modify an Existing Query



Saving your Query

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Description:	Fund Code ChartField						
Folder:							
*Query Type:	User V						
*Owner:	Public V						
Query Definition:							
MY FUND CODE LIST 09/17/2014							
OK Cancel							



Public vs. Private Queries

• PUBLIC: Anyone can use a public query.

 Anyone with public or private query security roles can change that query

• PRIVATE: Only the person who created a private query can use it or delete it.



Public vs. Private Queries

- When you create a query
 - Save a private copy for yourself
 - Then save a public version with a unique name for everyone else.
 - If someone changes or deletes the public query you created, you will still have the private version.



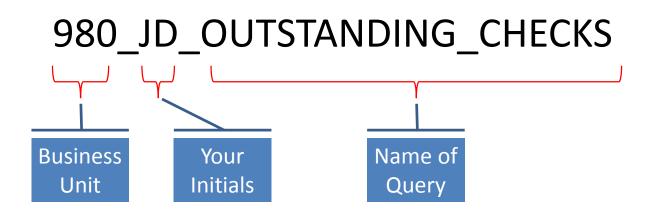
Do not make changes to a public query you did not create. Save a copy of the query and make changes to your copy.





Do not make changes to a public query you did not create. Save a copy of the query and make changes to your copy.

Naming Queries



- Do NOT use BOR_
- You can rename your queries



Query Properties

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Click folder next to record to show fields. Check fields to add to query. Uncheck fields to remove from query. Add additional records by clicking the records tab. When finished click the fields tab.							
Chosen Records							
Alias Record							
A PYMNT_VCHR_XREF - Voucher Scheduled Payment	Hierarchy Join –						
B VOUCHER - AP Voucher Header Table	Hierarchy Join –						
E C VENDOR - Vendor Header Table	Hierarchy Join –						
D VENDOR_PAY - Vendor Payment Defaults	Hierarchy Join -						
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Query Properties

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Last Update User ID: YHOWINGTON					
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Sharing a Query

- Save it as your private version first
- Save As, change the name, make it a Public Query - Seen by everyone
 OR
- Copy it to a specific user



Query Manager

Enter any information you have and click Search. Leave fields blank for a list of all values.

Find an Existing Query | Create New Query

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New Window

? Help

1

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Query	Manager									
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Running Queries

- Edit: Review/Change query parameters
- **HTML**: Runs the query to browser window
- Excel: Runs the query, results open in Excel
- XML: Runs the query, results in XML format
- Schedule: Runs the query in the process monitor. Results in XLS, PDF, TXT, XML



Scheduling Queries

- Why?
 - Queries that take a long time to process
 - Queries that return a large number of rows

• See Job Aid: Scheduling a Query



Query Maintenance

Cleanup existing queries

- Deleting a query
 - For cleanup purposes, delete queries you no longer use...get rid of the clutter.
- Renaming a query
 - Make sure all the queries you want to keep have the correct naming convention



New Features

Drilling URLs

- Results show as links that open a new window:
 - A page within PeopleSoft (Voucher Inquiry)
 - Results of another query
 - An external page or attachment



New Features

- Subqueries: A query within a query
- Pivot Grids (similar to Excel Pivot Tables)
- Connected Query (output in structured XML)



- GeorgiaFIRST Online Training
 - <u>http://www.usg.edu/gafirst-fin/training/online</u>
 Complete enrollment form and email to <u>ITS Helpdesk</u>
- ORACLE University
 - <u>http://education.oracle.com</u>



- Query Maintenance Best Practices
- Query changes in PeopleTools 8.52 and Instructions for Scheduling a Query
- Key records for Queries
- Entity Relationship Diagrams
 - <u>http://www.usg.edu/gafirst-</u>

fin/documentation/category/general_job_aids_and_reference_documents



Documentation	
Announcements	GeorgiaFIRST Training
Known Issues	The Georgia <i>FIRST</i> Training web pages contain information on all training initiatives for Georgia <i>FIRST</i> Financials +
	Georgia FIRST Upcoming Training Events
Releases	+ Up-to-date information on training events
Project Information	Online Georgia <i>FIRST</i> Training
	Georgia <i>FIRST</i> Training modules available via GeorgiaVIEW
Training	Georgia <i>FIRST</i> Training Resources
GeorgiaFIRST Training	Training resources developed from upgrade to PSFIN version 9.2
Online Training	Georgia <i>FIRST</i> Training Archives
on the fraction of the second s	Archives of past Georgia <i>FIRST</i> Training Sessions
v9.2 Training Resources	Online Travel & Expense Training Modules for Non-Traditional PeopleSoft Users
Training Archives	Training modules for non-traditional users of Travel and Expenses
Online Travel & Expense Train	• ePro/Georgia <i>FIRST</i> Marketplace Training
	Training materials and online lessons for users of ePro and the Georgia <i>FIRST</i> Marketplace
ePro/GeorgiaFIRST Marketpla Training	• Georgia Summit Presentations



Getting Started in PeopleSoft Financials v9.2 (6:30)

This video provides basic tips to help new users navigate in PeopleSoft.

Overview of the Introduction to Oracle PeopleSoft Financials Online Class (5:17)
 Common Definitions in PeopleSoft Handout

This course is designed to introduce a new user to Georgia *FIRST* and PeopleSoft Financials, including some basic elements in PeopleSoft Financials.

Relational Databases (8:07)

Relational Databases Handout.pdf 🔑

This course is designed to introduce a new user to relational databases, the structure underpinning PeopleSoft Financials.

 John Buys a Printer (9:57)
 John_Buys_a_Printer_Handout.pdf Modules_Handout.pdf

John Buys a Printer walks users through the entire process of purchasing an item in Georgia *FIRST* PeopleSoft Financials and explains how all of the modules relate to each other.

Security Access in PeopleSoft Financials (4.28)

This course is designed to introduce a new user to the PeopleSoft Financials security system and to explain how users access the database.

Georgia *FIRST* Website and Releases (8:01)

GeorgiaFIRST_Financials_LISTSERV_Handout.pdf 🔑

This course is designed to familiarize users with the Georgia *FIRST* website and help them understand the purpose of new releases.

The following resources are designed to assist users with PeopleSoft Financials Web Query.

Introduction to PeopleSoft Query (4:27)

This series is designed to introduce a new user to PeopleSoft Financials queries. In it, you will learn what a query is, how to find the query you need, and how to run a query. This first course will focus on understanding the background and concept of queries.

• How to Use Query Manager to Find the Query You Need (6:50)

This course is designed to teach beginning query users how to use Query Manager to find existing queries in PeopleSoft.

• How to Use the Georgia FIRST Website to Find the Queries You Need (6:50)

This course is designed to teach beginning query users how to use the Georgia *FIRST* website to find existing queries.

• Running, Saving and Printing Existing Queries (3:52)

This course is designed to teach beginning query users how to run, save and print an existing query.

• How to Schedule and Retrieve a Query (3:56)

This course is designed to teach beginning query users how to schedule queries and then retrieve them after they have run.

Job Aids

9.2 Key Records for Queries A Query Maintenance and Best Practices A Query Changes A Query Viewer Basics A Query Manager Basics A Adding a Query to Favorites A

Queries and Reports Job Aids

GeorgiaFIRST Financials

Overview

Documentation

Announcements

Project Information

iStrategy/Reporting

Budget Issues Committee

You are currently logged into Georgia *FIRST*. Log Out

Known Issues

Releases

Training

Support

Documentation

🚔 Print friendly 🛛 🖾 Email or share

PeopleSoft Financial Modules: Asset Management:

- <u>View Announcements for Asset Management</u>
- View Active Known Issues for Asset Management
- <u>View Job Aids and Reference Documents for Asset Management</u>

Business Processes for Asset Management

Posted/modified	Туре	Documentation	Active Project
07.21.16		Asset Management (AM) - Integration	Active
07.21.16		Asset Management (AM) - Assets	Active
06.07.16		Asset Management Business Process Index 🔎	Active
04.29.16		9.2 Asset Management Queries and Reports	Active

« Back to Documentation



Asset Information Queries:

Query Name	Description	Parameters
BOR_AM_ASSET_NO_TAG_NUMBER Assets Missing Tag Numbers Query	List of all assets in the system without a tag number. Run this query prior to performing physical inventory. Returns the following for each asset:	• Unit
	 Business Unit, Asset ID, Description, Asset Status, Tag Number 	
BOR_AM_ASSET_AP_TO_AM_LOAD Assets to Load Query	Returns the identification of the receipts and vouchers that are ready to be interfaced to the AM Module.	• AP Unit
	 Returns the following for each asset: Unit, Voucher, Line, Quantity, Receipt No., Receipt Line, PO No., Line, Profile ID, Amount, Unit Cost, Descr 	



2-Day Query Class

Nov. 8th: Query Training for Beginners

- Relational Databases
- Working with Existing Queries
- Creating a Basic Query
- Adding Criteria to a Query
- Query Maintenance Best Practices

Nov. 9th: Query Training for Advanced Users

- Advanced Selection Criteria
- Run Time Prompts
- Aggregate Functions
- Working with Multiple Tables



Demonstration

Changing and saving a query





