



PSFIN V8 Project Quarterly Update Meeting

August 29, 2007
Macon State College

"Creating A More Educated Georgia"



Welcome!

Beverly Norwood
Interim Executive Director
Enterprise Application Systems
OIIT

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New Tools and Features

Among the items on today's agenda:

- Workflow
- Integration Broker

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How will your work change?

- Security
- Local development
- Major table changes



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Setting the Stage...

- The combination of new technology and new functionality sets the stage to move Financials forward.
- We are asking you to leverage this technology with us!

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Today's Agenda and Other Items

Sharon Logan
OIIT



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Today's Agenda

- Security
- Break
- Workflow
- Local Development
- Integration Broker

Lunch on your own

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More of Today's Agenda

- Queries for V8 and Major Tables
- Upload and Download of Files
- Banner Requirements for UAT
- Q&A
- Break
- Institutional Readiness Meeting

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Reminders


- Park in the visitor spaces
- Nearby dining options
- Cell phones, PDAs, etc. on vibrate
- All documentation is on our website
- Yellow Post-It notes



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Security

Shelia Sloan
 Rod Reynolds

Security Subteam

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PeopleSoft Security 8.9

- Changes in Security from Version 7.5
- Security Design Model
- Local Security Administrator's responsibilities
- Integration of HRMS-Financials
- Summit
- Questions

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Changes in Security from Version 7.5

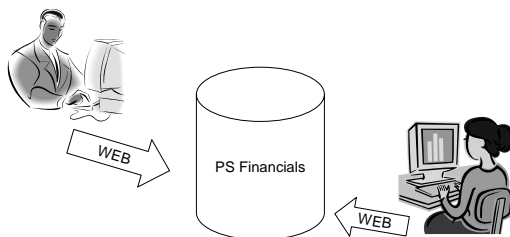
– Technology-WEB based applications

- Expansion of User Base
- Introduction of portal technology – user friendly navigation in a WEB interface.
- Log into system from anywhere vs. client load into system.
- Seamless log in between systems-HRMS and Finance
 - Single Sign on (PeopleSoft)

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Expansion of User Base



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Introduction of portal technology – user friendly navigation in a WEB interface



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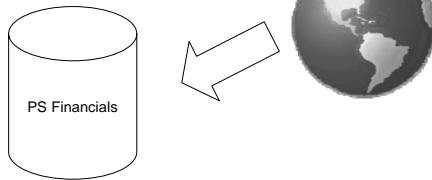
Expanded portal menus include Home pages and Icons



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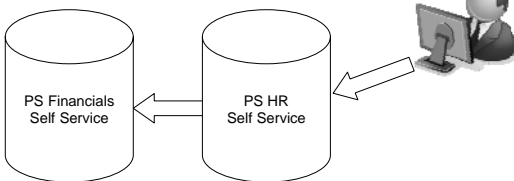
Log into system from anywhere vs.
client install on a PC to access the
system



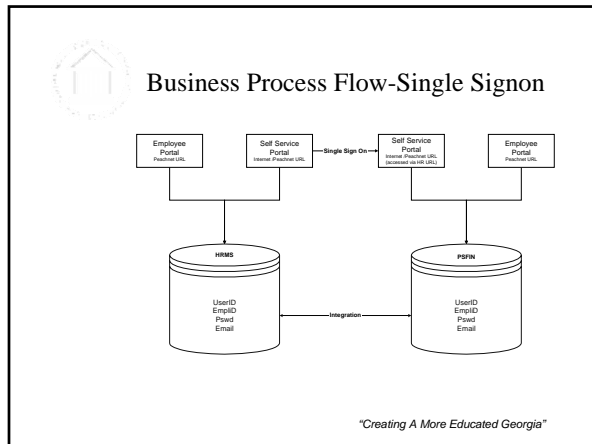
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Seamless log in between systems-HRMS and
Finance
Single Sign on (PeopleSoft)



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Provide Additional Self Service applications

- Current-HR Self Service
- New-Finance-Expenses Self Service

Self Service-user security

- ID type and attribute value (employee ID)

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Additional Self Service applications

Current HR:

- Change/view Benefits
- Banking Information
- View Paycheck
- Address Information

EXPENSES →

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New Self Service Financials - Expenses



Apply for Travel Authorization



Creating expense reports




Review Payments

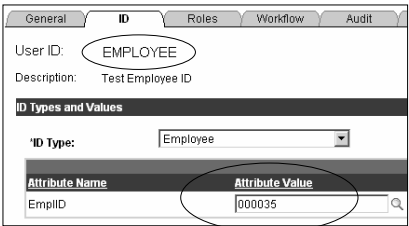


Cash Advances


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User ID Security for Self Service



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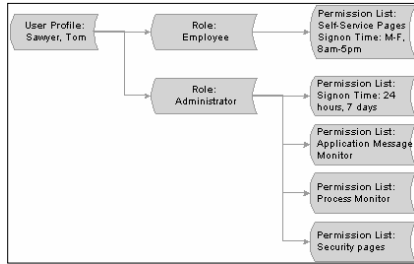
– Introduction of the security role

- Intermediate object
- Logical grouping of permission lists-classes
- Business process definitions
- New Security tables
 - PSROLECLASS
 - All Portal registry tables

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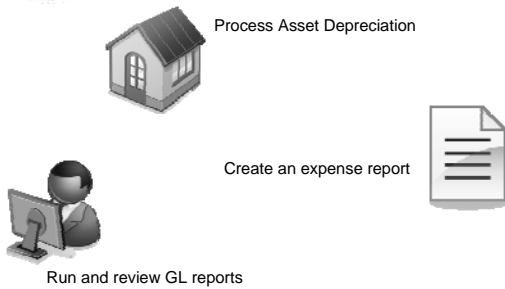
Intermediate object



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Logical grouping of permissions



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New Security tables-PSROLECLASS



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PSPRDMDEFN-Portal Definition Table

Field	Field Type	Field Length	Field Data Type
<input type="checkbox"/> PORTAL_NAME - Portal Name	CHAR	12	12
<input type="checkbox"/> VERSION - Version	CHAR	12	12
<input type="checkbox"/> PORTAL_TEMPL_NAME - Portal template name	CHAR	12	12
<input type="checkbox"/> PORTAL_REMOTE - Portal Remote Flag	CHAR	12	12
<input type="checkbox"/> PORTAL_HOSTNODENAM - Portal Host Node Name	CHAR	12	12
<input type="checkbox"/> PORTAL_SFOLDERNAV - Is Folder Navigation Enabled	CHAR	12	12
<input type="checkbox"/> PORTAL_FLDOR_NAVOBJ - Folder Navigation Object Name	CHAR	12	12
<input type="checkbox"/> PORTAL_TYPE - Portal Type	CHAR	12	12
<input type="checkbox"/> PORTAL_EFFECTDT - Portal Effective Date	DATE	12	12
<input type="checkbox"/> PORTAL_EXPIRE_DT - Expiration Date	DATE	12	12
<input type="checkbox"/> STATUS - Status	CHAR	12	12

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– Retention of workflow roles and similarities

- Share of some 7.5 tables
 - Roleuser-User ID, Role Name
 - Roledefn-Role Name, Description

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PSROLEUSER

- User ID-Role Name

Field	Field Type	Field Length	Field Data Type
<input type="checkbox"/> ROLEUSER - User ID	CHAR	12	12
<input type="checkbox"/> ROLENAME - Role Name	CHAR	12	12
<input type="checkbox"/> DYNAMIC_SW - Dynamic	CHAR	12	12

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PSROLEDEFN

-Role Name, Description

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Primary Permission List

- Status of the enabled permissions on the Primary Permission to Roles

- Query Operations
- Query Record security
- Process Groups-reporting security

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Query Operations

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Query Record Security

Permission List Access Groups

Permission List: PT_QRY_ALLACGRPS

Description: All Query Access Groups BOR

Tree Name	Access Group	Accessible
QUERY_TREE_AM	AM_ACCESS_GROUP	<input checked="" type="checkbox"/>
QUERY_TREE_AP	AP_ACCESS_GROUPS	<input checked="" type="checkbox"/>
QUERY_TREE_AR	AR_ACCESS_GROUP	<input checked="" type="checkbox"/>
QUERY_TREE_BANK	BANK_ACCESS_GROUP	<input checked="" type="checkbox"/>
QUERY_TREE_BCTP	BCTP_ACCESS_GROUP	<input checked="" type="checkbox"/>
QUERY_TREE_BD	BD_ACCESS_GROUP	<input checked="" type="checkbox"/>
QUERY_TREE_BI	BI_ACCESS_GROUP	<input checked="" type="checkbox"/>
QUERY_TREE_CA	CA_ACCESS_GROUP	<input checked="" type="checkbox"/>
QUERY_TREE_CASH	CASH MONTH ACCESS GRP	<input checked="" type="checkbox"/>

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Process Groups

Process Group Permission

Permission List: FN_BASE_RPT

Description: Base Reporting Permissions

Process Group
ALL PAGES
ALLPAGES
ALLPNLS
ALLPNLS
ALTABLE
JAMADIST
JAMALL
JAMCALLOC
JAMCIST

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Local Security Administrator's responsibilities

- Create User Profiles for New Hires (Should come from HRMS self Registration)
- Maintain Users by maintaining role assignments for job functions
- Inactivate users that have terminated/transferred
- Password Controls and user lock out

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Create User Profiles for New Hires

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

[Find an Existing Value](#) [Add a New Value](#)

Search by: begins with

[Find an Existing Value](#) [Add a New Value](#)

Click-Add a New Value Link

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General Tab-User Profile

General | ID | Roles | Workflow | Audit | Links | User ID Queries

User ID: GLUSER ☐ Account Locked Out?

Description:

Login Information

Synthetic ID: ☐ Password Expired?

Password: Confirm Password:

User ID Alias:

General Attributes

Language Code: ☐ Enable Expert Entry

Currency Code:

Default Mobile Page:

Permissions Links

Homepage:

Process Provider:

[General](#) | [ID](#) | [Roles](#) | [Workflow](#) | [Audit](#) | [Links](#) | [User ID Queries](#)

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Maintain User Profiles

General | ID | Roles | Workflow | Audit | Links | User ID Queries

User ID: GLUSER

Description: GL User ID

Rule Name	Description	Customizable	Dynamic	View Definition	View Definition
BOR_GL_BANKING	Main/Price bank statements	Y	Y	Route Control	View Definition
BOR_GL_BANK_PREF	Banking Reports	Y	Y	Route Control	View Definition
BOR_GL_INQUIRE	General Ledger Inquire	Y	Y	Route Control	View Definition
BOR_GL_PRC_JRNL	Journal Generator Process	Y	Y	Route Control	View Definition
BOR_PeopleSoft User	Peoplesoft User	Y	Y	Route Control	View Definition
BOR_PT_GRP_PRIVACY	Query Private	Y	Y	Route Control	View Definition
BOR_PT_GRP_ACCESS	All Query Access Groups	Y	Y	Route Control	View Definition

[General](#) | [ID](#) | [Roles](#) | [Workflow](#) | [Audit](#) | [Links](#) | [User ID Queries](#)

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Password Controls

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Unlock accounts-reset password

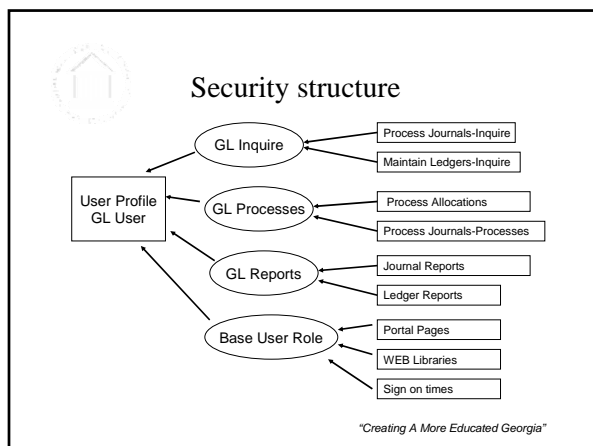
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Security Design Model

- Gather functional requirements
- Business process model
 - Business Process = Role
- All new security model objects to be delivered
 - Permission lists.
 - Roles

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Gather functional requirements

- Listed each Functional Module business processes
- Mapped navigation requirements for each processes
- Broke down each process to lowest level of operations

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Business Process Listing

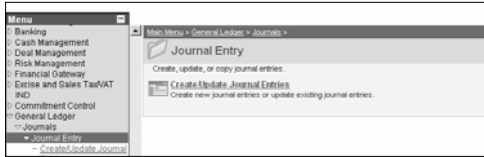
- **General Ledger Business Processes**
- Business processes listed below are discussed in the business process chapters of this General Ledger PeopleBook:
 - Create and process journal entries.
 - Build summary ledgers.
 - Close ledgers.
 - Process multiple currency
 - Create and process Average Daily Balance (ADB).
 - Create and process open items.
 - Consolidate financial data.
 - Maintain standard budgets
 - Monitor background processes.
 - Review financial information.
 - Archive tables.

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Portal Navigation

- Each process was reviewed for system navigation requirements.



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Create/Update Journal Entries

Find an Existing Value | Add a New Value

Business Unit: 07000
Journal ID: JNEXT
Journal Date: 08/16/2007

Add

Find an Existing Value | Add a New Value

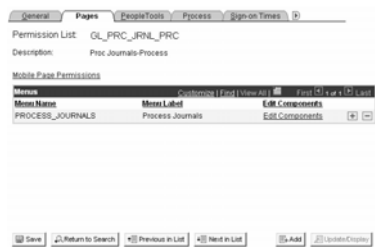
Page: 044010
Component: JOURNAL_ENTRY_E
Menu: PROCESS_JOURNALS

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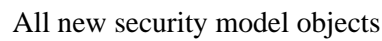


All new security model objects

- Permission lists



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General | **Permissions List** | Members | Dynamic Members | Workflow | Role Grant | Links |

Role Name: BOR_OL_PRC_IRM_PRC
Description: Proc Journals-Processes

Permissions List | [Permissions | First | Previous | **1** | Next | Last](#)

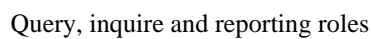
Permission List	Description	View Definition
OL_PRC_IRM_O	Proc Journals-Process	View Definition

[Save](#) | [Return to Search](#) | [Previous in List](#) | [Next in List](#)

General | [Permissions List](#) | [Members](#) | [Dynamic Members](#) | [Workflow](#) | [Role Grant](#) | [Links](#) | [Role Queries](#) | [Audit](#) | [Add](#) |



General	Permissions Lists	Members	Dynamic Members	Workflow	Role Grant	Links
Role Name: BOR PeopleSoft User Description: FN Base PeopleSoft User						
<div> Permission List Info Contents [End View] First Previous Next Last </div>						
Permission List	Description	View Definition				
[EX_ACM_EXP_0]	Admin Expense Func-Inquire	View Definition (+)				
[EX_ACM_EXP_0]	Admin Expense Func-Process	View Definition (+)				
[EX_ACM_EXP_0]	Admin Expense Func-Maintain	View Definition (+) Main Content				
[EX_AUDIT_EXP_0]	Audit Expense Functions-Inq	View Definition (+)				
[EX_AUDIT_EXP_0]	SS Expense Func Reports	View Definition (+)				
[EX_MANT_EMP_0]	Maint Employee Data-Use	View Definition (+)				
[EX_USER_TEN_0]	Expense User Template	View Definition (+)				
FN_BASE_PSU_0	Base PS User Permissions	View Definition (+)				
FN_BASE_RPT_0	Base Reporting Permissions	View Definition (+)				



Query Operations roles

General Ledger reporting roles



Security Request Form

- Personal User Information
- Security role selection
- User preferences and business rules



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Maintain documentation for support

- All security changes made to a user account should be supported with documentation.
- Authorization should be required with each request.



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User accounts to sync over from HRMS

- New user accounts will be created in HR and then a sync process will bring them into Finance.
- Base user role will be added to the User Profile for expense access.
- User ID will be linked to the employee ID for self service security.

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Core Finance Users

- These accounts will need roles and User preferences updates.

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Core User Roles

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Core User Preferences

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Contract core finance users will need to be created

- Contract User accounts are created without being related to an employee ID-no self service needs.



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Periodic Review of security

- Delivered security queries will be available for review.
- Provide security extracts/documentation for audit.

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Design-Model Change Request Process

- URL:

http://www.usg.edu/gafirst/fin/releases/modchg_rev/

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Integration of HRMS - Finance

- Single sign on requirements
 - User ID/password sync
 - ALL users should register in HR to use the system
 - New Users in HRMS will flow over to Finance.

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Summit

- There will be a 4 hour workshop at Summit
Sept 19 from 8 – 12 or
Sept 20 from 1 – 5 PM
This workshop will cover Security in 8.9 as
well as the local campus administrators
responsibilities with hands on training.
There will be workflow included in this
workshop.

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Questions



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Time for a break!



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Workflow

Steve Liquori

Integration Subteam

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Workflow

- Review workflow deployed
 - Expenses
 - ePro Requisitions
 - Traditional Purchasing
- Overview of technology utilized
- Localized configuration requirements
- Overview of expected error conditions

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Expense Workflow - Submit

Travel & Expenses - Cash Advance Report

Submit Confirmation

Clorette Riddle

Advance ID: 000000033

Totals	
Advance Amount:	100,000 USD

✓ Click OK to submit, or click Cancel to return to the cash advance without submitting.

OK Cancel

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Expense Workflow Submit

Travel & Expenses - Cash Advance Report

View Cash Advance Report

Clorette Riddle

User Defaults

Advance ID: 000000033

General Information	
Description:	Test
Business Purpose:	Atlanta: Events Team
Status:	Submission In Process
Accounting Date:	08/09/2007
Reference:	Not Applied
Last Updated:	08/09/2007 By: SLQUJ0R

Details		Currency: USD EUR GBP JPY USD EUR GBP JPY	
Source	Description	Amount	Currency
Employee Advance Check Payments	Test CA	100.000	USD
Totals			
Advance Amount:	100.000	USD	Report Balance
Applied To Expense Reports:	0.000	USD	Due Company:
Payments Received:	0.000	USD	100.000

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Expense Workflow - Worklist

Worklist for 999001: Dept mgr 1

Detail View		Work List Filter:	
From	Date From	Work Item	Worked By Activity
Steve Lipari	08/09/2007	Approval Routing	Approval Workflow
Steve Lipari	08/09/2007	Approval Routing	Approval Workflow
Steve Lipari	08/09/2007	Approval Routing	Approval Workflow
Steve Lipari	08/09/2007	Approval Routing	Approval Workflow
Steve Lipari	08/09/2007	Approval Routing	Approval Workflow
Steve Lipari	08/09/2007	Approval Routing	Approval Workflow
Steve Lipari	08/09/2007	Approval Routing	Approval Workflow

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Expense Workflow - Approve

Travel & Expenses - Cash Advance Report
Approve Cash Advance Report

Charlotte Walker [View Details](#) Advance ID: 0000000033

Information

Description:	Test	Comments:	
Business Purpose:	Refunds/Events/Travel	Subcategory:	
Reason:	Submits for approval	Subcategory:	Not Applied
Accounting Date:	08/08/2007 (36)	Print Item:	08/08/2007 Not Applied
Accounting Template:	07/000/000 3%	Last Updated:	08/08/2007 Not Applied

Items

Item	Description	Amount	Currency	Rate
Employee Advance Check # 36	Test CA	500.000	USD	

Advance Amount: 500.000 USD [Update Totals](#)

Approval History

Item	Name	Action	Date/Time
Test User Finance Dept Manager	Jane Sawyer	Approved	
2nd Level Finance Business Mgr	Charles Churne		
Requester	(P)0000		
AP Payment Approval	Walt Van		

AP Payment Approval

Item	Name	Action	Date/Time
Requester	Charles Churne (P)	Approved	08/08/2007 12:10:42PM

[Approve](#) [Cancel](#) [Save and Print](#) [Print](#)

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ePro Requisitions – Submit

Create Requisition

[1. Define Requisition](#) [2. Add Items and Services](#) [3. Review and Submit](#)

Review the details of your requisition, make any necessary changes, and submit it for approval.

Business Unit: 27000 Augusta State University

Requester: PRO000 Barbara M. Johnson

Requisition Name: Priority: Medium

Requisition Lines

Line	Description	Quantity	UOM	Price	Total
1	Test	1.0000	Each	10.000	10.000

☐ Select All / Deselect All [Add to Favorites](#) [Modify Line / Shipping / Accounting](#) [Delete](#)

Additional comments

☐ Send to Vendor ☐ Show at Receipt ☐ Show at Voucher

☐ Check Budget ☐ Save as Template

☐ Save & submit ☐ Save & preview approvals ☐ Cancel requisition [Find more items](#)

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ePro Requisitions – Confirmation

Confirmation

Requested For: Barbara M. Johnson Number of Lines: 1

Requisition Name: 0000024514

Requisition ID: 0000024514

Business Unit: 27000

Priority: Medium

Budget Status: Not Checked

Line Dept and Project Approval

Line 1: Pending [Start New Path](#)

Test

Department Approval

☐ Check Request ☐ Check Request

☐ Check Request ☐ Check Request

[Edit Requisition](#) [View Requisition](#) [Check Budget](#)

[View printable version](#) [Manage Requisitions](#) [Create New Requisition](#)

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ePro Requisitions – Worklist

Worklist for SUQUORI, Steve Lipori

Detail View

Work List Filters:

From	Date From	Work Item	Worked On Activity	Priority	Link	
Susan Hartman	06/27/2007	Approval Routing	Approval Workflow	<input type="checkbox"/>	Requisition BUSINESS UNIT: 27000 REQ ID: 0000024514, 25	Mark Worked Reassign
Steve Lipori	08/08/2007	Approval Routing	Approval Workflow	<input type="checkbox"/>	Requisition BUSINESS UNIT: 27000 REQ ID: 0000024514, 193	Mark Worked Reassign

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ePro Requisitions – Approve

Requisition Approval

Req Name: 0000024514

Total:

Requester: Barbara M. Johnson

Entered on: 08/08/2007

Status:

Requester's Justification:

No justification entered by requester.

Business Unit: 27000

Requisition ID: 0000024514

Priority: Medium

[Edit Requisition](#)

[Add Line to Requisition](#)

Line	Item Description	Vendor Name	Qty	UOM	Price	Cost
------	------------------	-------------	-----	-----	-------	------

1	Text		1.0000	EA	10.000	USD
---	------	--	--------	----	--------	-----

[Select All/DeSelect All](#)

[View Line Details](#)

[Approve](#) [Deny](#)

[Reassign to Approver](#)

Enter Approver Comments

[Return to Worklist](#)

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Traditional Purchasing - Submit

Maintain Requisitions

Requisition

Business Unit: 27000

Requisition ID: 0000024514

Status: Pending

Budget Status: Not Chg'd

[Mark From Further Processing](#)

[Requisition](#)

[Requester Info](#)

[Requester Details](#)

[Requester Activity](#)

[Requester History](#)

[Requester Summary](#)

[Requester Details](#)

[Requester Activity](#)

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[Requester History](#)

[Requester Summary](#)

[Requester Details](#)

[Requester Activity](#)

[Requester History](#)

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PO/Req Approval

- Purchase orders – Only Chartfield Approval required
- Requisitions
 - Amount Approval Required
 - Chartfield Approval Required

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Traditional Purchasing - Approve

Requisition ChartField Approval

Unit: 27000 Req: 0000024514 Requester: Barbara M. Johnson

*Appr Act:

Approval Status: Initial

[View Printable Req](#)

Comment

Distributions/ChartFields [Customize](#) | [Find](#) | [View All](#) | [First](#) | [Next](#) | [Last](#)

Line	Sched	Distrib	Status	GL Unit	Account	Fund	Dept	Program	Class	Project	Bud Ref
1	1	1	Open	27000	714100	00000000					2008

Line Details

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Technology Utilized

- Approval Workflow Process (Expense/ePro)
 - Highly Configurable and user oriented
 - Minimal PeopleTool Objects
 - Integration Broker Based
- Virtual Approver (Traditional PO/Req)
 - Application Development oriented
 - PeopleTools Object based

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Localized configuration requirements

- Security
- Manager Assignment
- Expenses Approval Assignment
- Workflow Administrator

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Security

- 8.9 represents minor changes from 7.5 requirements...
 - Email/Worklist – defined on user profile
 - Assignment of approval roles
 - Route control profiles – defined on user profile
- Update to user profile to reassign workflow to other user (i.e. vacation, approver designation, etc.)

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Workflow Reassignment

General ID Roles Workflow Audit Links User ID Queries

User ID: SLQUORI
Description: Steve Lippert

Workflow Attribution

Alternate User ID:
From Date:
To Date:
Supervising User ID:

Reassign Work

☐ Reassign Work To:
Total Pending Worklist Entries: 2

General | ID | Roles | Workflow | Audit | Links | User ID Queries

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Department/Project setup – manager assignment

- 8.9 introduces new fields that will drive approvals on department and Project chartfield definition tables
- Initial setup be addressed
- Ongoing maintenance will be required

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Department Approver Example

Department

SetID: 27000 Department: 1011010

Effective Date: Find View All First 1 of 1 Last

*Effective Date: Attributes

*Status: ☐ Budgetary Only

*Description:

*Short Description:

Manager ID: Manager Name:

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Expense Approval Assignment

- Localized customization of approval rules
- Model will provide 5 levels of approval
 - Department manager 1
 - Department manager 2
 - Grants administrator
 - Reviewer
 - Auditor
- Approval assignment by level

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Expense Approval Assignment Example

Approver Assignments

GL Business Unit: 27000

Approver Profile: DEPT_MANAGER1

User ID		Employee ID		Name		Department		Department	
						From		To	
999001		999001		Dept mgr 1		0000000		1011001	
SLUQUOR		000688		Steve Liquori		1011010		1011010	

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Workflow Administrator

- Possible day to day functions...
 - Reroute workflow – timeout/escalation
 - Address approver setup issues
 - Assist in setting up managers for new departments/projects

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Expected Error Conditions

Integration Broker related

- Message errors
- Gateway/server issues

Routing issues

- No email address for approver
- Escalation/Timeout
- No approver

Setup issues

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Questions



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Local development environments:
Crystal, nVision, SQR

Michael Campbell

Development Subteam

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Local development environments: Crystal, nVision, SQR

- Current 7.5 vs. Future 8.9 Development Tools
- Classification of End Users in 8.9
- Local Install Process
- SQR, nVision, and Crystal
- Summit
- Questions

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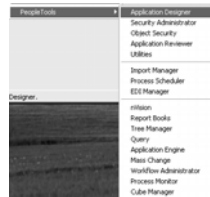


Current Versus Future Development

Current 7.5 tools installed on local PC

Plus:

- SQR.exe
- Crystal Reports
- Oracle SQLplus



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Current Versus Future Development

Local Tools in 8.9 vs. 7.5

Plus:

- SQR.exe
- Crystal Reports
- Oracle SQLplus



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Current Versus Future Development

What Changed?

- PS Query is now web based.
- SQR, nVision, and Crystal remain local development installs.
- Other tools are now web based.

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Classification of End Users in 8.9

Three Categories of Users in 8.9

1. Basic User
2. Core Financials User
3. Financial Developer

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Classification of End Users in 8.9

Basic User

- User will only be using Expenses Self Service via web browser.

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Classification of End Users in 8.9

Core Financials User

- View locally developed nVision Reports
- Journal Uploads
- Need nVision Drilldown

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Classification of End Users in 8.9

Financial Developer

- Local SQR, Crystal, or nVision reports
- Oracle Tables via SQLplus

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Local Install Process

- Workstation Compatibilities 8.9
- +
- End User Type
- =
- Install to Perform

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Workstation Compatibilities 8.9

- “Official” PeopleSoft Supported OS
- Supported OS Web Browsers

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“Official” PeopleSoft Supported OS

- Windows XP Pro
- What about Vista?
- Mac 10

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“Official” PeopleSoft Supported OS

XP Professional

- All end user types
- Especially Developers
- IE Version 7.x

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“Official” PeopleSoft Supported OS

Vista

- Only for Self Service user
No Developer, No Core Financial User
- IE Version 7.x

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“Official” PeopleSoft Supported OS

Mac OS X

- Only for Self Service user
No Developer, No Core Financial User
- Safari 2.0.4

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Local Install Process

- OIIT Delivered Peoplesoft Application
- Workstation Install Types

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Delivered Peoplesoft Application

- Information Provided via GeorgiaFirst Website
- Including PS, Crystal, and nVision downloads and install instructions.

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SQR, nVision, and Crystal

- SQR and Crystal local development will use PSQuest ID.
- nVision 8.9 still requires 3-tier connection for report developers.

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GA Summit

- Workshop will be held at this years summit and will contain brief hands on development exercises in SQR, Query, Crystal, and nVision.

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Questions



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Integration Broker

Steve Liquori

Integration Subteam

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Integration Broker: Links, Messaging, Management

- What is Integration Broker (I/B)
- How does I/B work
- How will USG deploy the technology
- What happens when I/B does not work
- Summary
- Questions

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What is Integration Broker

- Middleware technology (connectivity software that enables communication)
- Performs messaging
 - Asynchronous (i.e. email like)
 - Synchronous (i.e. phone conversation)
- Exposes PeopleSoft business logic as web services to remote applications
- Replaces older 7.5 technology such as flat files and DB links

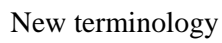
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How does I/B “basically” work

- Transaction initiated via PeopleSoft application
- **Message** “Published” via local node to the gateway
- **Gateway** routes to destination **node(s)** based on service routing
- Destination “Subscribes” to message waiting in **service queue** and invokes **service**
- Transaction completed

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- Message
- Node
- Service/Routings
- Service Queue
- Gateway architecture
- Publication/Subscription



- Object of communication...
- EIP – Enterprise Integration Points
- XML and Non XML
- SOAP compliant
- Request/Response for synchronous messaging
- Data control at the field/record attributes
- Rowset based structure that mirrors PeopleSoft component





Nodes Definition

- Connection point...
- Every PeopleSoft application has default local node
- Destination/Source of transactions
- Local/Remote
- Connector established
- Service operation routings link nodes

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Service Definition

- Standardized way to integrate...
- Purpose of message
- Invokes PeopleSoft business process

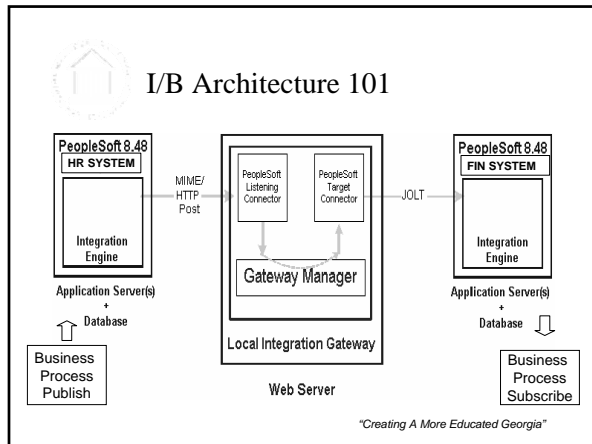
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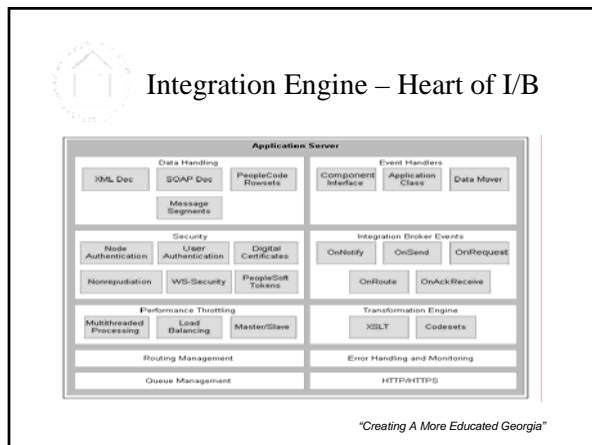


Service Queue Definition

- Transaction waiting line...
- Channels similar service operations
- Partitioning by message field/Defaults FIFO
- Ability to pause processing

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Gateway Manager

- Maintains links with external applications
- Invokes gateway services to address
 - Message validation/routing
 - Connection Management
 - XML parsing
- Invokes error handling services and prepares error response

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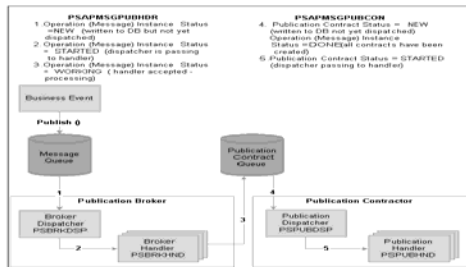
Connectors

- Listening connector receive incoming streams from remote applications
- Target connectors initiate communication with remote applications
- Supports HTTP, JMS, AS2, Simple File, FTP and SMTP

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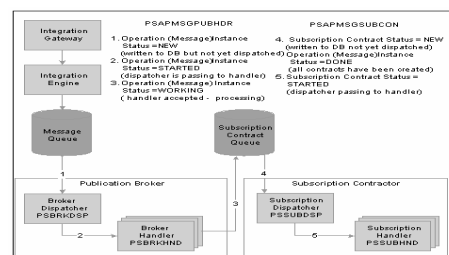
Asynchronous Messaging – Publication Process Flow



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Asynchronous Messaging – Subscription Process Flow



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How will USG use I/B

- Integration of key HR data needed for Expense and eProcurement
- Single Signon support for HR and Finance self service portals
- Userid/Password maintenance for HR and Finance
- Expense approval processing

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Asynchronous Message Services Deployed

- User_Profile
 - HR to Finance
 - bi-directional for password
- Person_basic_sync
 - HR to Finance
- Workforce_sync
 - HR to Finance
- Direct_deposit_sync
 - HR to Finance
- Internal Finance services (i.e. Report posting, Expense approval, voucher upload)

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What happens when I/B does not work

- "What" type of errors are expected
 - Infrastructure issues
 - I/B component issues
 - Gateway down
 - Queue(s) paused
 - Domain(s) issues
 - Security issues
 - Data issues

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Error Handling

- Error notification process will poll for errors, hourly
- Route to OIIT administrator for resolution
- Developing troubleshooting guide to log resolutions for common errors

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Asynchronous Message Monitoring

Monitor Overview | Operation Instances | Publication Contracts | Subscription Contracts

Published Node:

*Queue Level:

From Date: 07/10/2007 To Date: 07/30/2007
From Time: 12:00:01AM To Time: 11:59:59PM

Queue Name	Error	Ret	Started	Worked	Done	Ret	Retired	Edited	Cancelled	Hold
DELETE_ROLE	0	0	0	0	2	0	0	0	0	0
DIRECT_SUPPORT_SETUP	0	0	0	0	23	0	0	0	0	0
EXPENSES	0	0	0	0	32	0	0	0	0	0
PERSON_DATA	0	0	0	0	2	0	0	0	0	0
FILE_IMPORTING_FOLDERS	0	0	0	0	3382	0	0	0	0	0
ROLE_MGMT	0	0	0	0	33	0	0	0	0	0
TRAIL_MGMT	0	0	0	0	1	0	0	0	0	0
USER_PROFILE	0	0	0	0	82	0	0	0	0	0

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Asynchronous Queue Detail

Monitor Overview | Operation Instances | Publication Contracts | Subscription Contracts

Node Name:

External Service Name:

Service Operation:

Queue Name: USER_PROFILE Status: Done

Transaction ID:

From Date: 07/10/2007 To Date: 08/10/2007
From Time: 12:00:01AM To Time: 11:59:59PM

Select	Transaction ID	Queue Name	Publication Node	Sub-Queue	Status	Time Stamp
<input type="checkbox"/>	0047046b-4a50-11d0-a410-843030c20404	USER_PROFILE	PSPT_H0	Sub-Queue.L00	Done	08/14/2007 3:15:15PM Details
<input type="checkbox"/>	01330a16-4a50-11d0-a410-843030c20404	USER_PROFILE	PSPT_H0	Sub-Queue.L00	Done	08/14/2007 3:17:10PM Details
<input type="checkbox"/>	50a8b076-4a50-11d0-a410-843030c20404	USER_PROFILE	PSPT_H0	Sub-Queue.L00	Done	08/14/2007 3:17:10PM Details
<input type="checkbox"/>	7050a10e-4a70-11d0-a064-84a405000070	USER_PROFILE	PSPT_H0	Sub-Queue.L00	Done	08/14/2007 3:17:10PM Details
<input type="checkbox"/>	7423a4d2-4a60-11d0-905a-84a060000070	USER_PROFILE	PSPT_H0	Sub-Queue.L00	Done	08/14/2007 12:43:17PM Details

☒ Select All ☐ Deselect All

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Asynchronous Message Detail

Asynchronous Details

Transaction ID: 8845def-4b54-11e6-a116-b4336c9c284

External Service Name: USER_PROFILE_VERSION_84

Publishing Node: PSFT_HR *Segment: 1 Refresh

Queue Name: USER_PROFILE View XML Archive

Queue Sequence ID: 280

Sub Queue:

Original Pub Node: PSFT_HR Uncompressed Data Length: 8114

Status: DONE Data Length View Limit: 10000

View XML Info

Subscription Contracts: 1/10000 Customizing (Find) First Last

Action Name	Segment	Status
Update_User_Profile	1	Done

21 Return to Search

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Message XML

```
<?xml version="1.0"?>
<MsgData>
  <Transaction>
    <PROPOSED class="PC">
      <OPRID idChanged="Y">WFADMIN-OPRID</OPRID>
      <VERSION idChanged="Y">v16-V16</VERSION>
      <OPREDEFENSE idChanged="Y">Workflow Administrator-OPREDEFENSE</OPREDEFENSE>
      <EMPLED>
        <EMAIL ID>
          <OPCLASS idChanged="Y">PT_PRIMARY-OPCLASS</OPCLASS>
          <ROWSEXTCLASS>
            <OPREDEFENSE idChanged="Y">Workflow Administrator-OPREDEFENSE</OPREDEFENSE>
            <SYMBOLIC idChanged="Y">SYMBOLIC-OPSYMBOLIC</OPSYMBOLIC>
            <LANGUAGE_CD idChanged="Y">ENG-LANGUAGE_CD</LANGUAGE_CD>
            <MULTILANG idChanged="Y">MULTILANG</MULTILANG>
            <CURRENCY_CD>
              <LASTPSWCHANGE idChanged="Y">2007-08-13-LASTPSWCHANGE</LASTPSWCHANGE>
              <ACTLOCK idChanged="Y">ACTLOCK</ACTLOCK>
              <PRCSBFLCLS idChanged="Y">PT_PRCBFL-PRCSBFLCLS</PRCSBFLCLS>
              <DEFAULTNAVP>
                <FAILEDDLOGINS idChanged="Y">FAILEDDLOGINS</FAILEDDLOGINS>
                <EXPENT idChanged="Y">EXPENT</EXPENT>
                <OPETPR idChanged="Y">OPETPR</OPETPR>
                <USERDIALAS>
                  <LASTPSWCHGTIME idChanged="Y">2007-08-14T10:28:24.000000000-LASTPSWCHGTIME</LASTPSWCHGTIME>
                  <LASTPSWCHG idChanged="Y">SHIRMAN-LASTPSWCHG</LASTPSWCHG>
                  <FOLLOWUPWITCHER idChanged="Y">FOLLOWUPWITCHER</FOLLOWUPWITCHER>
                  <PRCSBFLUSR_Y id="PC">
                    <OPRID idChanged="Y">WFADMIN-OPRID</OPRID>
                    <ROLENAME idChanged="Y">ROLE-PT-OPV-PRIVATE-ROLENAME</ROLENAME>
                    <DYNAMIC_SW idChanged="Y">N-DYNAMIC_SW</DYNAMIC_SW>
                    <OROLEUSER_Y id="PC">

```

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Summary

- Defined I/B at a high level
- Discussed how it works
- Discussed how USG will deploy I/B
- Reviewed error handling and monitoring

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Questions



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Queries for PSFIN V8

Karen Dykstra
George Granata

Development Subteam

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Query Overview

- What's New!
- What's Gone!
- What's Stayed the Same!

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What's New in Query

- Web-based
- Navigation: Reporting Tools -> Query -> Query Manager

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What's New in Query



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What's New in Query

- Searching for a query name

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What's New in Query

Query ID	Query Name	Query Text	Query Type	Query Status	Query Date	Query User
1	SELECT * FROM STUDENT	SELECT * FROM STUDENT	SELECT	Success	10/10/2010	ADMIN
2	SELECT * FROM STUDENT WHERE ID = 1	SELECT * FROM STUDENT WHERE ID = 1	SELECT	Success	10/10/2010	ADMIN
3	SELECT * FROM STUDENT WHERE ID = 2	SELECT * FROM STUDENT WHERE ID = 2	SELECT	Success	10/10/2010	ADMIN
4	SELECT * FROM STUDENT WHERE ID = 3	SELECT * FROM STUDENT WHERE ID = 3	SELECT	Success	10/10/2010	ADMIN
5	SELECT * FROM STUDENT WHERE ID = 4	SELECT * FROM STUDENT WHERE ID = 4	SELECT	Success	10/10/2010	ADMIN
6	SELECT * FROM STUDENT WHERE ID = 5	SELECT * FROM STUDENT WHERE ID = 5	SELECT	Success	10/10/2010	ADMIN
7	SELECT * FROM STUDENT WHERE ID = 6	SELECT * FROM STUDENT WHERE ID = 6	SELECT	Success	10/10/2010	ADMIN
8	SELECT * FROM STUDENT WHERE ID = 7	SELECT * FROM STUDENT WHERE ID = 7	SELECT	Success	10/10/2010	ADMIN
9	SELECT * FROM STUDENT WHERE ID = 8	SELECT * FROM STUDENT WHERE ID = 8	SELECT	Success	10/10/2010	ADMIN
10	SELECT * FROM STUDENT WHERE ID = 9	SELECT * FROM STUDENT WHERE ID = 9	SELECT	Success	10/10/2010	ADMIN

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What's New in Query

- Results appear in separate window

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What's New in Query

ID	NAME	ADDRESS	PHONE
1	John Doe	123 Main St	555-1234
2	Jane Smith	456 Oak St	555-5678
3	Bob Johnson	789 Pine St	555-9012
4	Alice Brown	101 Elm St	555-3456
5	Charlie Davis	202 Maple St	555-7890
6	Diana Prince	303 Cedar St	555-2345
7	Frank Miller	404 Birch St	555-6789
8	Grace Wilson	505 Spruce St	555-0123
9	Henry Taylor	606 Willow St	555-4567
10	Ivy White	707 Ash St	555-8901

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What's New in Query

- Intuitive tabs
- Work from left to right

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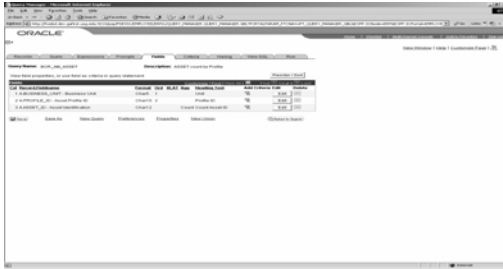
What's New in Query

ID	NAME	ADDRESS	PHONE
1	John Doe	123 Main St	555-1234
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5	Charlie Davis	202 Maple St	555-7890
6	Diana Prince	303 Cedar St	555-2345
7	Frank Miller	404 Birch St	555-6789
8	Grace Wilson	505 Spruce St	555-0123
9	Henry Taylor	606 Willow St	555-4567
10	Ivy White	707 Ash St	555-8901

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What's New in Query



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What's New in Query



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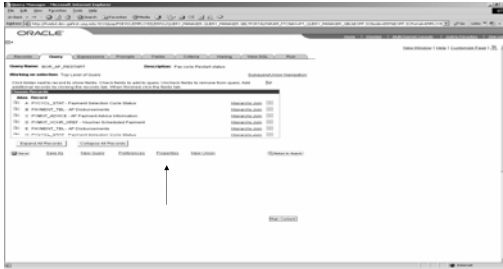
What's New in Query

- Improved documentation within Query
- Properties link

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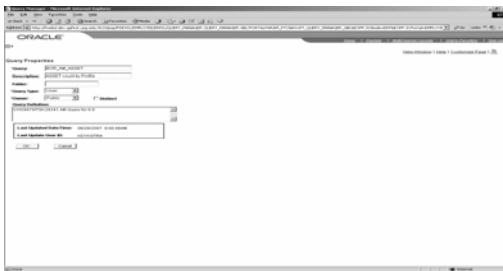
What's New in Query



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What's New in Query



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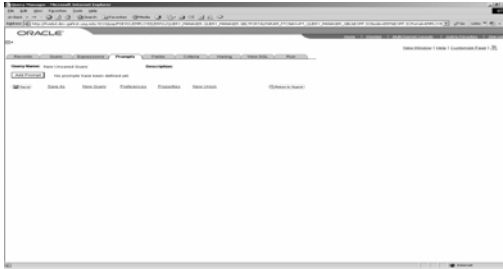
What's New in Query

- Adding prompts is simpler

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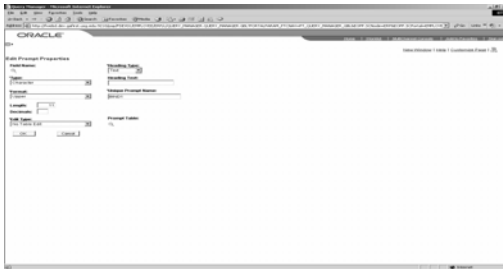
What's New in Query



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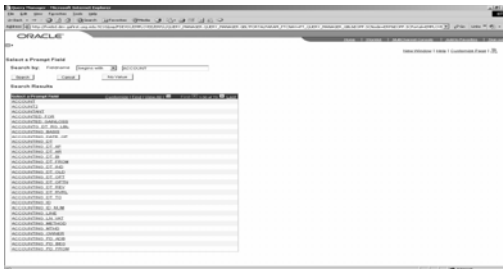
What's New in Query



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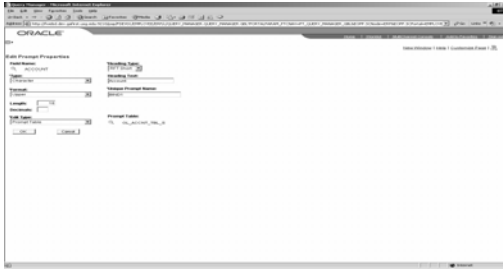
What's New in Query



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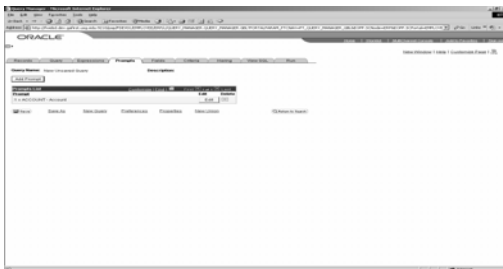
What's New in Query



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What's New in Query



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What's New in Query

- Xlat values are displayed in criteria for selection with descriptions

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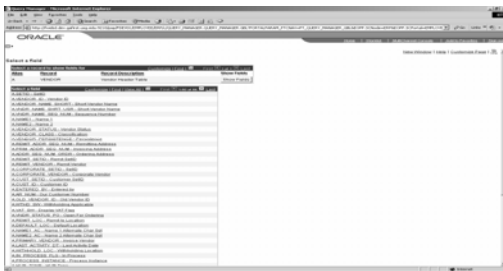
What's New in Query



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What's New in Query



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What's New in Query



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What's New in Query



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What's Gone from Query

- List of queryable tables
- Can't reorder records in results without running to excel or editing query to change order and rerunning query

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What's Gone from Query



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What's Stayed the Same in Query

- Functions the same way as in 7.5
- Powerful tool for looking at data
- Ability to download results to Excel
- Add prompts, expressions and criteria to refine data elements returned

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Retrofitting Queries

- Over 6,000 queries at the institutions
- Need to weed out unused queries
- Improved inquiry in modules may lessen need for queries
- Inquiry results can be downloaded into Excel

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Retrofitting Queries

- Challenges
 - Renamed tables
 - Dropped or changed fields in a table
 - Dropped tables
 - New commitment control and budget data structures

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Renamed Tables

- PS_DEPARTMENT_TBL became PS_DEPT_TBL
- PS_CLASS_TBL became PS_CLASS_CF_TBL
- PS_PROJECT_HEADER became two tables – PS_PROJECT and PS_PROJ_GRANT_BOR

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Dropped or Changed Fields

- VNDR_TIN changed from 10 characters to 1 character in VENDOR record
- This data is now stored in record VENDOR_ID_NBRS in field STD_ID_NUM where STD_ID_NUM_QUAL = 'TIN'

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Commitment Control Table Changes

<u>Release 7.5</u>	<u>Release 8.9</u>
PO_LINE_ACCTG	PO_ACCTG_LN_VW PO_ACCTG_L2_VW
REQ_LINE_ACCTG	<no equivalent>
LEDGER_BUDG	LEDGER_BUDG LEDGER_KK
BUD_JRNL_HEADER	KK_BUDGET_HDR
BUD_JRNL_LN	KK_BUDGET_LN

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Commitment Control Table Changes

Release 7.5	Release 8.9
BCM_TRANS_DTL	KK_SOURCE_HDR KK_SOURCE_LN KK_ACTIVITY_LOG KK_TRANS_LOG
OPEN_ENC OPEN_PREENC	KK_LIQUIDATION
BCM_OVERRIDE_xx	KK_OVERRIDE_TBL

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Additional Commitment Control Tables in 8.9

- **KK_EXCPTN_TBL** -
Stores Commitment Control transaction budget-checking exceptions
- **KK_REFERENCED** -
Stores the reference data between Requisition and Purchase Order -or- Purchase Order and Voucher

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Key Ledger Concepts

- **Budget Type = Ledger Group**
 - AP = Appropriation (APPROP)
 - OR = Organization (ORG)
 - PR = Project /Grant (PROJ_GRT)
 - RE = Revenue Estimate (REVEST)
- **Amount Field = Ledgers within Controlled Ledger Group**
 - Budget Amount = APPROP_BD : Posted Total Amount
 - Pre-encumbered Amount = APPROP_PR : Posted Total Amount
 - Encumbered Amount = APPROP_EN : Posted Total Amount
 - Expended Amount = APPROP_EX : Posted Total Amount

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BOR Views of New tables

- KKACTION_VW_BOR
- LEDG_KK_VW_BOR
- LEDG_KK_VW2_BOR
- LEDG_KK_VW3_BOR

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KKACTION_VW_BPR

- Join of KK_SOURCE_HDR,
KK_SOURCE_LN and
KK_ACTIVITY_LOG
- Designed to mimic BCM_TRANS_DTL
- Should include Business Unit and Ledger
Group in Where criteria and aggregate
amount columns

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LEDG_KK_VW_BOR

- Join of LEDGER_KK and
LED_GRP_LED_TBL
- Selects Budget, Pre-encumbrance,
Encumbrance, and Expended amounts from
LEDGER_KK

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LEDG_KK_VW2_BOR

- Join of LEDGER_KK, LED_GRP_LED_TBL, and LED_GRP_TBL
- Selects same data as LEDG_KK_VW_BOR with the addition of Recognized Revenue and Collected Revenue

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LEDG_KK_VW3_BOR

- Union of LEDGER_KK and LEDGER
- Used for GASB reporting
- Selects Pre-encumbrance and Encumbrance amounts from LEDGER_KK -and- Expended amounts from LEDGER

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Georgia Summit Workshops

- 2 Development/Technical Workshop Sessions
Tuesday, 9/18 from 1pm to 5pm
Thursday, 9/20 from 8am to noon

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Georgia Summit Workshops

- Hands on access to 8.9 system!
- Recreate 7.5 queries in an 8.9 environment
- Use local development tools for SQR, Crystal and nVision

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Questions



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Uploading and Downloading Files

Rod Reynolds

Development Subteam

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Objectives

- Discuss the architecture changes from 7.5 to 8.9 and the affect on uploading and downloading files
- Introduce new technology used in PS Financials 8.9 for Uploading files and provide examples of processes that now utilize that technology
- Downloading files from Report Manager

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Architecture changes from 7.5 to 8.9

- Peoplesoft Financials 7.5 used client server architecture.
- Peoplesoft Financials 8.9 uses Peoplesoft Pure Internet Architecture (PIA)

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Technologies Used to Upload Files

- FTP File Upload
- XML File Upload

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Example of Asset Management Physical Inventory Process Utilizing the FTP File Upload

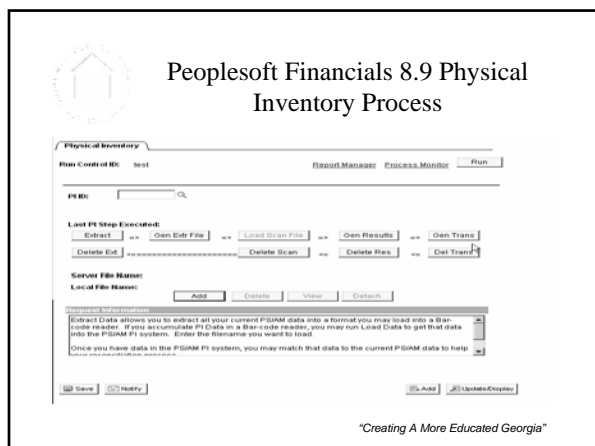
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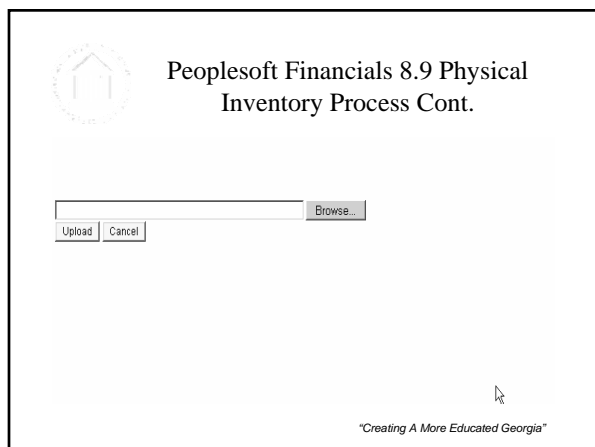


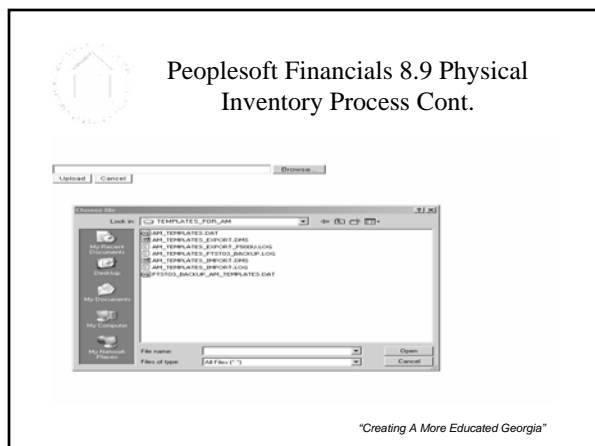
Peoplesoft Financials 7.5 Physical Inventory Process

Operator ID: RREYNOLD
Run Control ID: 102
File Name: C:\TEMP\FILE.TXT
Last PT Step Executed:
☐ Print Labels in Step 2
Request Information
Extract Data allows you to extract all your current PS/IRM data into a format you may load into a Bar Code reader. If you accumulate PT Data in a Bar code reader, you may use Load Data to get that data into the PS/IRM PT system. Enter the Barcode you want to load.
Once you have data in the PS/IRM PT system, you may match that data to the current PS/IRM data to help your reconciliation process.

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Peoplesoft Financials 8.9 Physical Inventory Process Cont.

C:\Documents and Settings\jreynold\Desktop\TEMPLAT\ Browse...

Upload Cancel

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Peoplesoft Financials 8.9 Physical Inventory Process Cont.

Physical Inventory

File Control of ID: TEST Record Manager Process Monitor Run

File ID: TEST00 TESTING THE FILE

Last PT Step Executed: 3 Scan File Loaded

Extract Gen Edit File Load Scan File Gen Results Gen Trans

Delete Edit Delete Scan Delete This Del Trans

Server File Name: 2007-08-22 08:32 0000000AM_TEMPLATE_IMPORT.DMS

Local File Name: AM_TEMPLATE_IMPORT.DMS View Detach

Extract Data allows you to extract all your current PISAM data into a format you may load into a Bar-code reader. If you accumulate PISAM data in a Bar-code reader, you may run Load Data to get that data into the PISAM PISAM system. Enter the Barcode you want to load.

Once you have data in the PISAM PISAM system, you may match that data to the current PISAM data to help

Save Notify Add Update/Reorder

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Example of General Ledger Journal Load Process Utilizing the FTP File Upload

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Peoplesoft 7.5 Journal Load from External Flat File

The screenshot shows the 'Load Journal Flat Columns' window in Peoplesoft 7.5. The 'Operator ID' is 'RREYNOLD' and the 'Run Control ID' is 'ROD'. The 'File Name' is 'C:\Users\JOURNALS.TXT'. The 'Default for Document Sequence' is set to 'Document Type'. The window has a standard toolbar at the top and a status bar at the bottom.

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Peoplesoft 8.9 Journal Load from External Flat File

Flat File Journal Import Request

The screenshot shows the 'Flat File Journal Import Request' window in Peoplesoft 8.9. The 'Run Control ID' is 'ROD'. The 'Character Set' is 'ROD_8559-1'. The 'Validate Character Fields' is 'Account Alternate Account'. The 'Journal ID Mask' is 'Account'. The window has a standard toolbar at the top and a status bar at the bottom.


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Peoplesoft 8.9 Journal Load from External Flat File cont.

The screenshot shows the 'Load Journal Flat Columns' window in Peoplesoft 8.9. The 'Operator ID' is 'RREYNOLD' and the 'Run Control ID' is 'ROD'. The 'File Name' is 'C:\Users\JOURNALS.TXT'. The window has a standard toolbar at the top and a status bar at the bottom.

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Peoplesoft 8.9 Journal Load from External Flat File cont.


C:\Documents and Settings\vreynold\Desktop\Rod_Wrk\T

Browse...

Upload

Cancel

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Peoplesoft 8.9 Journal Load from External Flat File cont.

Flat File Journal Import Request

Run Control ID: RODTEST

Report ManagerProcess MonitorRun

Access Request Parameters

Character Set:ISO_8859-1

Validate CharField:Account, Alternate Account

Journal ID Mask:


AddDeleteView

Attached File: appserver_ports_FOS_enr.txt

SaveReturn to SearchPrevious in ListNext in ListNotify

Be AddOpen/Close

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Example of Accounts Payable Voucher Load Process Utilizing the XML File Upload

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Peoplesoft Financials 7.5 Voucher Load

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Peoplesoft Financials 8.9 Voucher Upload

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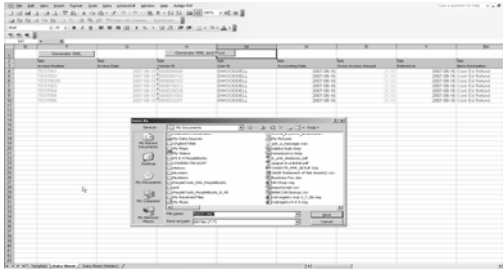


Peoplesoft Financials 8.9 Voucher Upload Cont...

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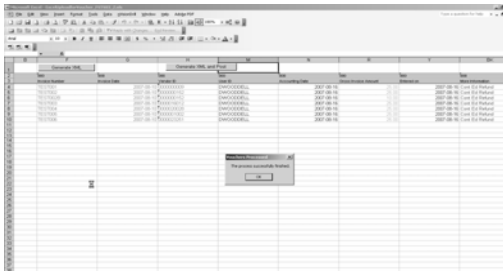
Peoplesoft Financials 8.9 Voucher Upload Cont...



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Peoplesoft Financials 8.9 Voucher Upload Cont...



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Example of General Ledger Journal Load Process Utilizing the XML File Upload

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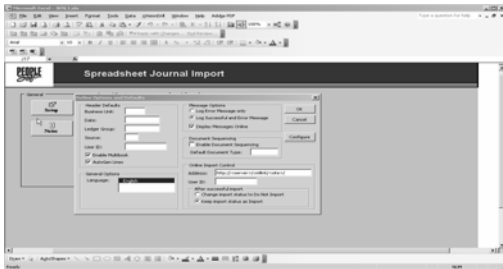
Peoplesoft Financials 8.9 General Ledger Journal Upload



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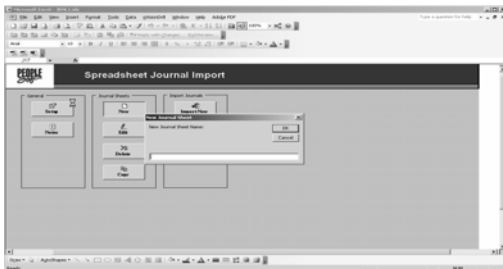
Peoplesoft Financials 8.9 General Ledger Journal Upload Cont...



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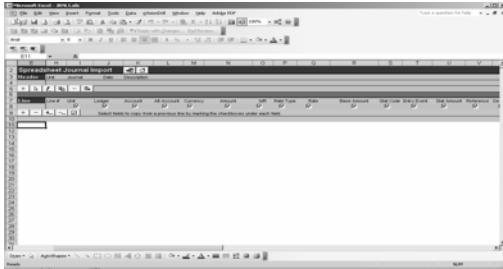
Peoplesoft Financials 8.9 General Ledger Journal Upload Cont...



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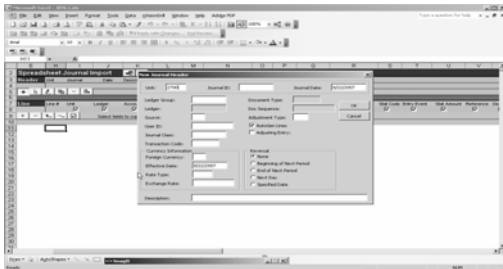
Peoplesoft Financials 8.9 General Ledger Journal Upload Cont...



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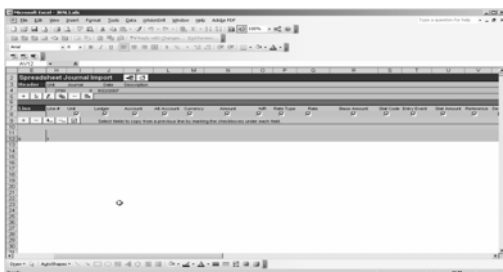
Peoplesoft Financials 8.9 General Ledger Journal Upload Cont...



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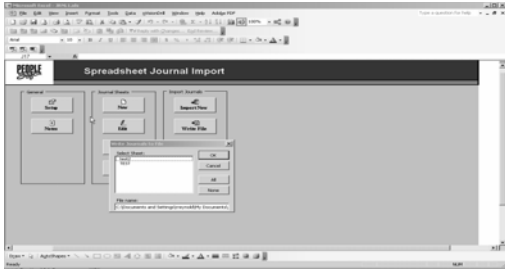
Peoplesoft Financials 8.9 General Ledger Journal Upload Cont...



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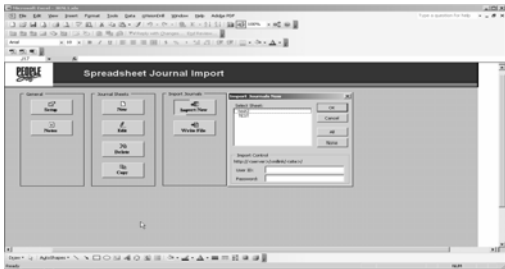
Peoplesoft Financials 8.9 General Ledger Journal Upload Cont...



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Peoplesoft Financials 8.9 General Ledger Journal Upload Cont...



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Downloading Files from Report Manager.

- What is Report Manager?
- PDF, XLS, HTML, and Text are the most common
- Downloading files to your local machine

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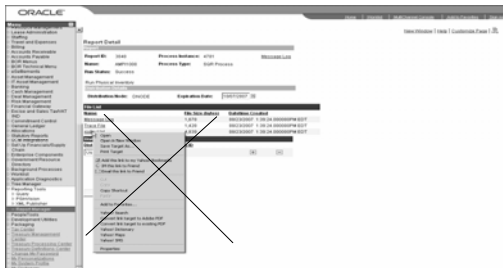
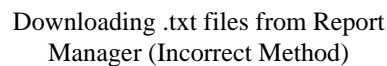


- As part of PeopleSoft Process Scheduler, Report Manager provides several different methods of viewing reports, based on the level of access granted. For example, only users who are assigned to a Report Manager Administration role in PeopleSoft Security can delete reports from the database using the Report Manager-Administration page.
- Using Report Manager, you can see all of the reports that you are authorized to view by opening your report list in a browser. Folders are provided to assist in organizing reports and reducing the size of the report lists.

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[illegible]

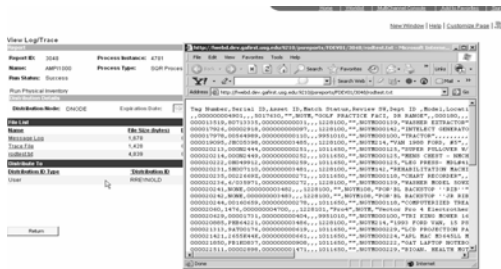
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Downloading .txt files from Report Manager (Correct Method)



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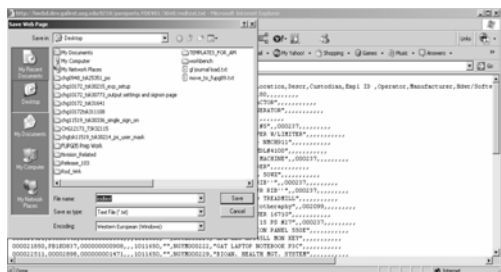
Downloading .txt files from Report Manager (Correct Method)



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Downloading .txt files from Report Manager (Correct Method)



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Questions



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Banner Testing

Sharon Logan

Project Manager

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UAT Environment Preparation

What test environments will you need?

- 8.9 Financials database (OIIT)
- 8.8 HR database (OIIT)
- Banner test/pre-prod database
 - OIIT will provide for hosted environments
 - Institutions should provide if you are not centrally hosted

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Non-Hosted Banner Test Instances

- Provide a clone of Banner database (TEST)
- OIIT will provide the Financials environment to which it will be linked.
- Provide the necessary information to connect, including firewall information.

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What else do you need to do?

- Install Student 7.3 and appropriate pre-requisite software on TEST two weeks before your institution's UAT starts.
- Perform functional setup and testing on TEST.
- Be prepared to open firewall (please don't forget about firewalls that may prevent a connection to your server from the Athens training room IP address range (168.24.83.0/24))

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Establishing the Banner Link

What do you need to tell us?

- 1) IP Address of the machine with the test environment being used
- 2) Hostname of the machine
- 3) SID of testing database
- 4) Listener Port
- 5) BANQUEST password to set up the link to Banner (you must provide this via phone)

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And finally...

- When OIIT provides the port info for the PSFIN database you will need to establish the PSFIN link and test it prior to arriving for UAT.

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Questions



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Time for a break!



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Institutional Readiness

Michael Casuccio
Sharon Logan
Chelle Stringer

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