



## UC Monthly Audit Webinar

**How to Overcome Limitations in Data warehouses and Canned Reports with PeopleSoft query; and how this knowledge can help you be the rockstar in your PeopleSoft HCM/UCPath implementation**

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# Agenda

- Discuss why you should care about Psoft Query
  - UCPath!
  - Your Reports and Data-warehouses are not all that:
    - Security Access - Example
    - Journal Line Example – With a demo of Psoft query tool
  - Back to UCSPATH – PPS and HCM tables & example
- Questions



# Why Should You Care? You don't even have PeopleSoft?

- UCPath is PeopleSoft HCM!
- We don't know if we'll have access to the Psoft query tool, but the tables are the same across the campuses....
- Internal Audit can assist in data conversion, parallel and interface testing



## Example 1

# Security Tables

### User

PSOPRDEFN

PSROLEUSER

### Role

PSROLEDEFN

PSROLECANGRANT

PSROLECLASS

### Permission Lists

PSAUTHITEM

PSAUTHPRCS

PS\_SCRTY\_ACC\_GRP

PS\_SCRTY\_QUERY

# Example 1 – Security table - PSOPRDEFN

User (masked) ▼	Prim Perm Li ▼	Row Sec Prm Lst ▼	Last Change ▼	Locked Out? ▼	Prcs Prfl Class ▼	Nav Perm List ▼	Last Signon Dat ▼	Last Upd DtTm ▼	Last Upd User ▼	Comme
ACCTG1	ALLPNLS	ALLPNLS	2/11/2015	0	ALLPNLS	ALLPNLS	8/2/2017 15:25	2/17/2016 15:19	BILL	
IT1	ALLPNLS	ALLPNLS	2/11/2015	1	ALLPNLS	ALLPNLS	11/17/2013 10:18	8/19/2015 9:46	JOE	
op	ALLPNLS	ALLPNLS	6/27/2017	0	ALLPNLS	ALLPNLS		6/27/2017 13:59	BILL	
IT3	ALLPNLS	ALLPNLS	6/27/2017	0	ALLPNLS	ALLPNLS	8/2/2017 13:45	7/18/2017 14:26	BILL	who?
accountant	ALLPNLS	ALLPNLS	2/11/2015	0	ALLPNLS	ALLPNLS		9/15/2009 9:06	JOE	
batch	ALLPNLS	ALLPNLS	2/11/2015	0	ALLPNLS	ALLPNLS	8/2/2017 18:10	2/11/2015 11:13	JOE	
IT6	ALLPNLS	ALLPNLS	2/11/2015	0	ALLPNLS	ALLPNLS	10/7/2011 15:10	6/15/2017 16:15	JOE	
webservice			2/11/2015	0			7/12/2017 17:08	9/27/2004 16:18	VP1	
IT7	ALLPNLS	ALLPNLS	2/11/2015	0	ALLPNLS	ALLPNLS	8/2/2017 16:31	10/25/2010 10:25	PSBATCH	
vp	ALLPNLS	ALLPNLS	2/11/2015	0	ALLPNLS	ALLPNLS	8/2/2017 17:05	9/17/2013 9:34	PSBATCH	
nilo	ALLPNLS	ALLPNLS	2/24/2016	0	ALLPNLS	ALLPNLS	8/1/2017 12:18	2/24/2016 17:24	EACS	
account	MACHINE	MACHINE	2/11/2015	0	MACHINE	MACHINE	12/1/2015 8:01	3/10/2014 10:56	JOE	
IT9	ALLPNLS	ALLPNLS	2/11/2015	0	ALLPNLS	ALLPNLS	5/16/2012 14:04	9/26/2012 14:16	BILL	retired?
IT10	ALLPNLS	ALLPNLS	7/6/2015	0	ALLPNLS	ALLPNLS		7/6/2015 12:26	JOE	
laura	ALLPNLS	ALLPNLS	4/26/2017	0	ALLPNLS	ALLPNLS	8/2/2017 17:48	4/26/2017 16:39	EACS	
IT19	ALLPNLS	ALLPNLS	6/23/2015	0	ALLPNLS	ALLPNLS		6/23/2015 10:45	BILL	who?

# Example 2 – Journal Lines Example

Not all data is in your datawarehouse/ODS (transactor/reviewer/reviewed date/review status).

Per...	Transac..	Description	Journal ID	Line #	Line Description	Org	Org Description	Activity	Activity Description	FY.↓
12	BATCH	Web Recharge ...	FDR0075245	58	TAPS-PRMIT - Dail...	ORG30	Facilities/Architects...	A01597	A&E General Admin...	2017
12	BATCH	Web Recharge ...	FDR0075375	52	VCA - IT - BASIT F...	ORG30	Facilities/Architects...	A01597	A&E General Admin...	2017
12	BATCH	Web Recharge ...	FDR0075395	189	DINSERV - 6/28-HU...	ORG30	Facilities/Architects...	A01597	A&E General Admin...	2017
12	BATCH	Web Recharge ...	FDR0071521	148	UNEX TUITN - KER...	ORG39	Business & Adminis...	A01597	A&E General Admin...	2016
12	BATCH	Web Recharge ...	FDR0071559	134	VCA - IT - BASIT F...	ORG39	Business & Adminis...	A01597	A&E General Admin...	2016

## Missing Information

- Original Transactors
- Departments
- Reviewer
- Reviewer Status
- Reviewed Date
- Approver



# Why we should get to know PeopleSoft Query...

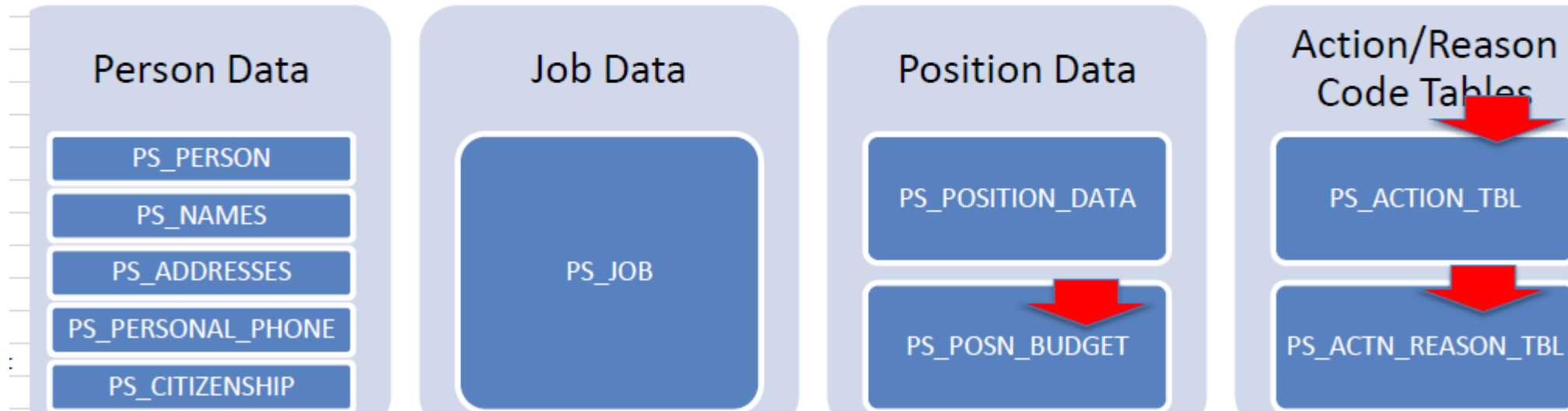
...if not for UCPath implementation (conversion & interface validation).... So we can do our job as auditors after go live.

## Data Analytics Anyone?



# Main Psoft HCM (HR/Payroll) Tables

## Application Tables



PPS Table Name
PPPAPP
PPPBEN
PPPPAY
PPPPER
PPPBEL
PPPBKC
PPPPCM
PPPCMP
PPPEUD
PPPEAR
PPPPCC
PPPBRS
PPPDEP
PPPDIS
PPPERN
PPPDOS
PPPEAD
PPPFAD
PPPFCB
PPPFID
PPPFNW
PPPDRC
PPPDBL
PPPGTN
PPPHME
PPPHON
PPPLCN
PPSPB
PPPEBT

PS_ACA_PER_ELIG
PS_ADDL_PAY_DATA
PS_ADDL_PAY_EFFDT
PS_ADDL_PAY_ERNCN
PS_ADDRESSES
PS_BN_ANNL_BASE_RT
PS_CITIZEN_PSSPT
PS_CITIZENSHIP
PS_CONTRACT_DATA
PS_DED_ARREARS
PS_DEDUCTION_BAL
PS_DEP_BEN
PS_DEP_BEN_ADDR
PS_DEP_BEN_EFF
PS_DEP_BEN_NAME
PS_DEP_BENEF_NID
PS_DEPT_BUDGET
PS_DEPT_BUDGET_DT
PS_DEPT_BUDGET_ERN
PS_DIR_DEP_DISTRIB
PS_DIRECT_DEPOSIT
PS_DISABILITY
PS_DISABILITY_BEN
PS_DIVERS_ETHNIC
PS_EARNINGS_BAL
PS_FED_TAX_DATA
PS_FSA_BENEFIT
PS_GARN_BALANCE
PS_GENL_DED_CD
PS_GENL_DEDUCTION
PS_GP_ABS_EA
PS_GP_ABS_EA_STA
PS_GP_PL_MNL_DATA
PS_HEALTH_BENEFIT
PS_HEALTH_DEPENDNT
PS_HR_EE_SC_INV_ST
PS_HR_EE_SEC_CLR
PS_JOB
PS_JOB_EARNS_DIST
PS_JPM_JP_ITEMS
PS_LIFE_ADD_BEN
PS_LIFE_ADD_BENEFIC
PS_LOCAL_TAX_DATA
PS_NAMES
PS_PER_ORG_INST
PS_PERS_DATA_EFFDT
PS_PERS_DATA_USA
PS_PERS_MILIT_USA
PS_PERS_NID
PS_PERSON
PS_PERSONAL_PHONE
PS_POSITION_DATA
PS_PY_YE_CONS_USA
PS_RTRMNT_PLAN
PS_SAVINGS_PLAN
PS_STATE_TAX_DATA
PS_TAX_BALANCE
PS_TAX_DISTRIB
PS_TAX1042_BALANCE
PS_UC_BEN_ELG_DATA
PS_UC_BN_CC_CALC
PS_UC_BN_CC_CALC1
PS_UC_BN_UCRS_RESP
PS_UC_CREATE_DEDCN
PS_UC_CREATE_DEDN2
PS_UC_EE_DISCLOSUR
PS_UC_EMPL_PRB_DTL
PS_UC_EXT_SYSKEY
PS_UC_EXT_SYSTEM
PS_UC_HRS_ACCR_TBL
PS_UC_LOAN_REPAYMT
PS_UC_NRA_INC
PS_UC_POS_EMP_REL
PS_UC_POS_SPCL_TRN
PS_UC_WS_AWARD
PS_VISA_PMT_DATA
PS_WKF_CNT_TYPE

**PPS vs Psoft HCM  
tables  
29 vs 77  
(yellow are the  
primary Psoft  
Tables)**

# PPS to HCM mapping for Direct Deposit Acct – Example

PPS Table Name	PPS Column Name	HCM Table Name	HCM Column Name	HCM Column - Long Description
PPPPAY	SURE_ACCTNUM	PS_DIR_DEP_DISTRIB	ACCOUNT_NUM	ACCOUNT_NUM is an alphanumeric value indicating the employee's Bank Account Number into which an instance of a portion of the employee's earnings is deposited.

# DEMO Psoft Query Scripts used to validate data conversion

# The Resistance – Why wouldn't we get access to Psoft Query?

Performance concerns running from the production database-you will have data warehouses anyway

## Counter arguments

1. Production tables are optimized/indexed for performance so PSQuery shouldn't be an issue if run properly
2. Psoft query will be granted to superusers (including auditors) who have been trained
3. Canned queries and reports run in production
4. Psoft query access by superusers (and auditors) is *standard industry practice*
5. Datawarehouses are best verified with access to the single source of truth – verifiable with tools like PSQuery
6. Datawarehouses have blind spots and can have errors (see #5)

**You would be able to see other campus data**

## Counter arguments:

1. Row level security
2. Who cares



# Why we should have access to PeopleSoft Query

- Assist with UCPath Data Conversion, Interfaces & Parallel test (value add)
- Familiarize ourselves with tables & tools now so:
  - We can audit effectively after go live and
  - If there are issues at go live we are up to speed and can assist in resolving (value add)
- Reports and Data-warehouses are not all that –



May the Force be with you



# Questions

