

SESSION #11037

How UMASS Utilized OpenSearch (Kibana) To Monitor the Student Billing Process

Recognition and Specializations

Oracle Specialized

ORACLE | Partner

Since joining Oracle's Partner Program in 2006, SpearMC was elevated to Platinum Partner level in 2017 and to Oracle Applications Managed Partner in 2018.

ORACLE | Expertise in PeopleSoft in North America

SpearMC is an authorized PeopleSoft Resale Partner, allowing us to resell, host and finance PeopleSoft at steep discounts.

ORACLE | Expertise in Oracle EPM Cloud in North America

SpearMC is an authorized Oracle EPM Cloud, Analytics and Hyperion Resale and Implementation Partner.

ORACLE | Expertise in Oracle Cloud Platform in North America

SpearMC is an authorized Oracle Cloud Infrastructure (OCI) Resale Partner and North America's only PeopleSoft Partner recognized by Gartner for OCI Professional and Managed Services.

ORACLE | Education Reseller

SpearMC is an authorized Oracle University Education Reseller and PeopleSoft Training Provider. We are the sole PeopleSoft Partner authorized to resell and implement Oracle Guided Learning.

ORACLE | Public Sector Addendum

Reflecting our deep domain expertise in state and local government, SpearMC has a Public Sector Addendum in place allowing us to resell Oracle applications and technology to public sector organizations.

SOC 2 Type II Certified



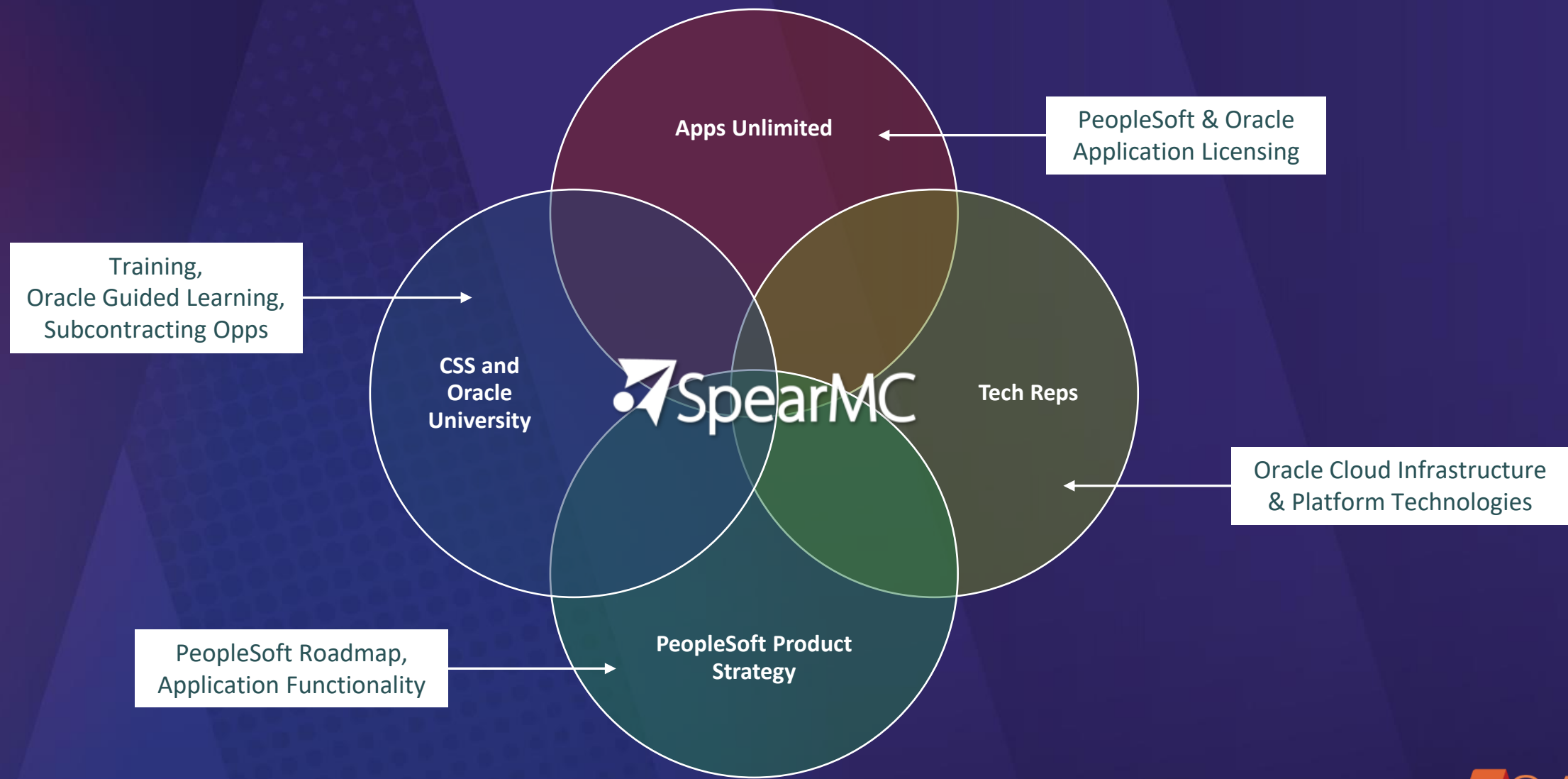
Reduce risk with a partner you can trust. This certification demonstrates our deep commitment to protecting data.

Gartner-Recognized Vendor



SpearMC is the sole featured PeopleSoft vendor in the latest 2023 Gartner Market Guide for Oracle Professional Services.

SpearMC Strategy: Positioning with Oracle



Products and Services

- Managed Services

Application Support
Testing as a Service
System Administration
Infrastructure Hosting

- Consulting Services

Financials and Supply Chain
Test Framework
Human Capital Management
Campus Solutions

- PeopleSoft Training

All-Access Learning Pass
Live Private Training
Oracle Guided Learning
Oracle University Reseller

Oracle PeopleSoft

- Oracle Cloud Platform

OCI Migration
Infrastructure Hosting
Disaster Recovery

- Emerging Technology

Oracle Assessment
Chatbots and Digital Assistants
PeopleSoft Roadmap
OpenSearch Dashboards

- Proprietary Products

PTF Testing Grounds
Grants: LCD/Effort Reporting
Supplier Contracts: Authoring
Lease Admin: GASB 87

PeopleSoft Training Opportunities

Learn from an Oracle University Partner

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You will receive Powerful, Practical Learning Experiences covering PeopleSoft Campus Solutions, Human Capital Management, Financials and PeopleTools:

- Campus Solutions: Advisement, Admissions, Registration, 3C's
- PeopleSoft Systems Administration: Maintenance and Troubleshooting
- PeopleTools Bootcamp, PeopleCode and Object-Oriented Programming
- PeopleTools: Fluid Development, and Integration Broker/REST Web Services
- Reporting: OpenSearch Dashboards (formerly OpenSearch) and Query

Visit our [website](#) for a full listing of available public courses and free webinars



Scan the QR code to view the full listing of offerings and courses

E&I Cooperative Services

Simplify Procurement of PeopleSoft ERP Services and Training



Key Benefits

- SpearMC Consulting is the exclusive PeopleSoft partner available on the E&I contract
- Avoid costly and lengthy RFP cycles. The E&I contract was *competitively bid* and complies with your jurisdiction's procurement rules
- Membership for educational institutions to join the E&I Cooperative is at no cost to the institution
- Click [here](#) to determine membership



Scan the QR code to learn more

Project Summary / Scope

- UMass has requested SpearMC to provide consulting services for the design, development, and deployment of a PeopleSoft Activity Guide to track step-by-step tasks and progress of Monthly Student Billing within their PeopleSoft Campus Solutions platform.
- UMass intends to utilize the Activity Guide function to reduce the cycle time required for the numerous tasks involved in monthly student billings.
- The guide created will be initially rolled out to a single campus, with intent of cloning the Guide in a phased rollout approach to all UMass campuses.
- UMass has also requested SpearMC to provide consulting services for the design, development, and deployment of two OpenSearch PeopleSoft Insights Analytic dashboards (formerly “Kibana” Analytics).
- One dashboard will be intended to visualize the current state progress and details of the monthly student billing progress, utilizing the Activity Guides to be developed.
- A second dashboard would be intended to represent the ‘system health’ of the overall PeopleSoft system, highlight processing capacities, batch process performance, and specific failures to be researched and remediated.

Project Tasks

- ✓ Requirements Gathering
- ✓ Fit/Gap Analysis
- ✓ Business Process Flows
- ✓ Customization Specs and subsequent Construction
- ✓ Initial Configuration
- ✓ Project Team Sandbox and Feedback
- ✓ “Final” Configuration
- ✓ System Testing
- ❖ Issue Log and Remediation
- ❖ Change Management
- ☐ Build PTF Automated Steps
- ☐ Additional Integration Testing
- ☐ Training Materials
- ☐ Reference Materials
- ☐ Go-Live

Key Decisions

- ✓ A single campus would be implemented first, developing a blueprint
- ✓ Subsequent campuses would be rolled out in a scheduled approach
- ✓ “Systematic” user IDs (batch schedulers) to be used to update and schedule run-controls
- ✓ Utilize PTF to automate certain steps

OpenSearch Setup

- Queries need the following items defined for use with the Search Framework:
 - List of fields to index from authorized records.
 - "Last Updated" record field.
 - Drilling URL.
 - Prompt against the "Last Updated" field.
 - Criteria for the "Last Updated" field.
- Save as Public Query

OpenSearch Setup – Data Source

RecordsQueryExpressionsPromptsFieldsCriteriaHavingTransformationsView SQLRun

Query NameGK_PTAI_KIBANADescription

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

AliasRecord

A

PTAI_ITEM - Action Items

Hierarchy Join

B

PTAI_LIST - Action Items Lists

Hierarchy Join

Check All

Uncheck All

Fields

PTAI_LIST_ID - Activity Guide ID

PORTAL_NAME - Portal Name

PTAI_LABEL - Title

PTAI_DESCRLONG - Description

PTAI_NOTIFY_TYPE - Enable Email Notification

PTAI_AGRENDERTYPE - Choose the type of process

PTAI_RESTARTAG - Restart Activity Guide

PTAI_SUOW - Single Unit of Work

PTAI_ACTIVE_FLG - Active

CREATED_OTTM - Created Datetime

CREATEOPRID - User ID

LAST_UPDATE_OTTM - Last Update Timestamp

LASTUPDOPRID - by

OBJECTOWNERID - Object Owner ID

PTAI_IS_TMPL - Template

PTAI_PARENT_TMPL - Template ID

PTAI_LIST_STATUS - Status

PACKAGEROOT - Root Package ID

QUALIFYPATH - Qualified Package/Class Path

APPCCLASSID - Application Class ID

APPCCLASSMETHOD - Application Class Method Name

PTAI_INST_PKGROOT - Package Name

PTAI_INST_QUALPATH - Qualified Package/Class Path

PTAI_INST_CLASSID - Application Class ID

URL - URLID

PTAI_REOPEN_ITEM - Allow Item Reopen

PTAI_PGLT_EXCL - Include in My List Pagelet

PTAI_FIELD1_LBL - Field Label 1

PTAI_FIELD2_LBL - Field Label 2

PTAI_FIELD3_LBL - Field Label 3

PTAI_FIELD4_LBL - Field Label 4

PTAI_FIELD5_LBL - Field Label 5

PTAI_FIELD6_LBL - Field Label 1

PTAI_FIELD7_LBL - Field Label 2

Query Manager

RecordsQueryExpressionsPromptsFieldsCriteriaHavingDependencyTransformationsView SQLRun

Query NameGK_PTAI_KIBANADescription

Add Expression

Drilling URL

'psp/EMPLOYEE/ERP/c/PTAI_MENU.PTAI_TMPL_ADMIN.GBL?Action=U&A.PTAI_ITEM_ID=%A.PTAI_ITEM_ID%'

Use as Field

Edit

Save

Save As

New Query

Preferences

Properties

Publish as Feed

Publish as Pivot Grid

New Union

Return To Search

OpenSearch Setup – Data Source

Records

Query

Expressions

Prompts

Fields

Criteria

Having

Dependency

Transform

Query Name

GK_PTAI_KIBANA

Description

Add Prompt

Prompts List

1-1 of 1

Prompt	Edit	Delete
:1 = LAST_UPDATE_DTTM - Last Update Timestamp	Edit	—

Save

Save As

New Query

Preferences

Properties

Publish as Feed

Publish as Pivot Grid

New Union

Return To Search

Records

Query

Expressions

Prompts

Fields

Criteria

Having

Dependency

Transformations

View SQL

Run

Query Name

GK_PTAI_KIBANA

Description

Feed

Add Criteria

Group Criteria

Reorder Criteria

Criteria

1-2 of 2

Logical	Expression1	Condition Type	Expression 2	Edit	Delete
	B.PTAI_LIST_ID - Activity Guide ID	equal to	A.PTAI_LIST_ID - Activity Guide ID	Edit	—
AND	A.LAST_UPDATE_DTTM - Last Update Timestamp	greater than	:1	Edit	—

Save

Save As

New Query

Preferences

Properties

Publish as Feed

Publish as Pivot Grid

New Union

Return To Search

OpenSearch Setup – Search Definition

Search Definitions

Search Criteria

Search Definition [Add a New Value](#)

Source Type

Search

Search Definitions

Search Definitions	Description	Source Type
ACTIVITY_GUIDE_TEST	ACTIVITY_GUIDE_TEST	AG
FLUID_DISCUSSIONS	Fluid Discussions	CQuery
NAVREGISTRY	Navigator	CQuery
REPORTS	Reports	CQuery
RECENTMENU	Recent Menu Items	CQuery
RECENT_KW	Keyword Search Definition	Query
WORKLIST_NOTE	Worklist Note	Query
ACTIVITY_GUIDE	Registration Activity Guide	Query
BROWSE_CATALOG_LFF	Browse Catalog	CQuery
BROWSE_CATALOG_SFF	Browse Catalog	CQuery
CLASS_SEARCH_LFF	Class Search	CQuery
CLASS_SEARCH_SFF	Class Search SFF	CQuery

Find Search Definitions

General | [Map Search Attributes](#) | [Attachment Properties](#) | [Security](#) | [Advanced](#) | [Component Mapping](#)

Search Definition: REG_ACTIVITY_GUIDE
Description: Registration Activity Guide
Object Owner ID:

Source Information

Source Type: Query
*Source Name: GK_PTAI_KIBANA [View](#)

Search Result Field Mapping

*Last Modified Date Time: A.LAST_UPDATE_DTTM
*URL Link: EXPR133_133

Title: %A.PTAI_LIST_ID% [Title](#)

Summary: %A.PTAI_LABEL% [Summary](#)

[Save](#) [Save As](#)

[General](#) | [Map Search Attributes](#) | [Attachment Properties](#) | [Security](#) | [Advanced](#) | [Component Mapping](#)

OpenSearch Setup – Search Definition

Search Attribute Mapping

General

Map Search Attributes

Attachment Properties

Security

Advanced

Component Mapping

Search Definition

REQ_ACTIVITY_GUIDE

Description

Registration Activity Guide

Fields included in the index

	Query Name	Query Field Name	Field to Index	Attribute Name	Attribute Display Name	Is Faceted
1	GK_PTAI_KIBANA	A.PTAI_ITEM_ID	☒	PTAI_ITEM_ID	Item ID	☐
2	GK_PTAI_KIBANA	A.PTAI_LIST_ID	☒	PTAI_LIST_ID	Activity Guide ID	☐
3	GK_PTAI_KIBANA	A.PTAI_LABEL	☒	PTAI_LABEL	Title	☐
4	GK_PTAI_KIBANA	A.PTAI_DESCR_LONG	☐			☐
5	GK_PTAI_KIBANA	A.PTAI_PRIORITY	☒	PTAI_PRIORITY	Priority	☐
6	GK_PTAI_KIBANA	A.PTAI_STATUS	☒	PTAI_STATUS	Status	☐
7	GK_PTAI_KIBANA	A.PTAI_DUE_DATE	☐			☐
8	GK_PTAI_KIBANA	A.PTAI_ASSIGN_DT	☒	PTAI_ASSIGN_DT	Assigned Date	☐
9	GK_PTAI_KIBANA	A.PTAI_ASSIGN_OPRID	☐			☐
10	GK_PTAI_KIBANA	A.PTAI_CATEGORY	☐			☐
11	GK_PTAI_KIBANA	A.PTAI_RES_DATE	☒	PTAI_RES_DATE	Complete Date	☐
12	GK_PTAI_KIBANA	A.PTAI_RES_OPRID	☒	PTAI_RES_OPRID	Completed By	☐
13	GK_PTAI_KIBANA	A.PTAI_POST_ID	☒	PTAI_POST_ID	Post ID	☐
14	GK_PTAI_KIBANA	A.CREATED_DTTM	☒	CREATED_DTTM	Created Datetime	☐
15	GK_PTAI_KIBANA	A.CREATEOPRID	☒	CREATEOPRID	User ID	☐
16	GK_PTAI_KIBANA	A.LAST_UPDATE_DTTM	☒	LAST_UPDATE_DTTM	Last Update Timestamp	☐
17	GK_PTAI_KIBANA	A.LASTUPDOPRID	☒	LASTUPDOPRID	by	☐
18	GK_PTAI_KIBANA	A.PTAI_REQD	☒	PTAI_REQD	Required	☐
19	GK_PTAI_KIBANA	A.PTAI_INACTIVAFTDUE	☒	PTAI_INACTIVAFTDUE	Inactivate after Due Date	☐

Search Category

Search

Clear

Save Search

Search Results

13 rows

Search Category Name	Description	Search Group	
ACTIVITY_GUIDE_TEST	ACTIVITY_GUIDE_TEST	(blank)	>
EOFD_FLUID_DISCUSSIONS	Campus Discussions	Y	>
PTPORTALREGISTRY	Menu	Y	>
PTSEARCHREPORTS	Reports	Y	>
PTSF_RECENTMENU	Recent Menu Items	Y	>
PTSF_RECENT_KW	Keyword Search	Y	>
PTWL_GEN_MSG_WL	Worklist Note	(blank)	>
REG_ACTIVITY_GUIDE	Registration AG	(blank)	>
SSR_BROWSE_CATALOG_LFF	Browse Catalog	Y	>
SSR_BROWSE_CATALOG_SFF	Browse Catalog	Y	>

OpenSearch Setup – Search Definition

Deploy Search Definition								
Deploy Search Definition								
		Definition	Description	Deploy Status	Crawl Status	Run Date/Time	User/Run Control ID	Index Settings
☐	1	ACTIVITY_GUIDE_TEST	ACTIVITY_GUIDE_TEST	Deployed	Successful	03/05/2024 3:33:02AM	GKASLIWAL / ACTIVITY_GUIDE_TES	Index Settings
☐	2	EOFD_FLUID_DISCUSSIONS	Fluid Discussions	Deployed	Successful			Index Settings
☐	3	PTPORTALREGISTRY	Navigator	Deployed	Successful			Index Settings
☐	4	PTSEARCHREPORTS	Reports	Deployed	Successful	03/05/2024 1:00:19AM	PS / PTSEARCHREPORTS	Index Settings
☐	5	PTSF_RECENTMENU	Recent Menu Items	Deployed	Successful			Index Settings
☐	6	PTSF_RECENT_KW	Keyword Search Definition	Deployed	Successful			Index Settings
☐	7	PTWL_GEN_MSG_WL	Worklist Note	Deployed	Successful			Index Settings
☒	8	REG_ACTIVITY_GUIDE	Registration Activity Guide	Deployed	Successful	03/05/2024 2:11:13PM	GDRANIKOSKI / REG_ACTIVITY_GUI	Index Settings
☐	9	SSR_BROWSE_CATALOG_LFF	Browse Catalog	Deployed	Successful			Index Settings
☐	10	SSR_BROWSE_CATALOG_SFF	Browse Catalog	Deployed	Successful			Index Settings
☐	11	SSR_CLASS_SEARCH_LFF	Class Search	Deployed	Successful			Index Settings
☐	12	SSR_CLASS_SEARCH_SFF	Class Search SFF	Deployed	Successful			Index Settings

Select All

Report Sync Issues

Audit

Deploy

Undeploy

Update

Delete

OpenSearch Setup – Build Index

Build Search Index

Run Control ID: REG_ACTIVITY_GUIDE_FULL

Report Manager

Process Monitor

Run

*Search Instance: PTSF_DEFAULT

*Search Definition: REG_ACTIVITY_GUIDE

Language Option
☒ Base Language
☐ All Languages

Indexing type
☒ Full index
☐ Incremental Index

Full Indexing Criteria
Number of days to index: 0
Index Start Date: 01/01/1900

Previous schedule details
Previous schedule status: Success
Last Successful Index Built On: 03/05/2024 2:11:13PM
AE Status: Schedule success

Details
Process Instance: 79413 [Message Log](#)
Run Control ID: REG_ACTIVITY_GUIDE_FULL
User ID: GDRANIKOSKI
Indexing type: Full Index
Language Option: Base Language

Save

Return to Search

Notify

Add

Update/Display

Process Monitor

Message Log

Process

Instance: 79413
Name: PTSF_GENFEED

Type: Application Engine
Description: Index Search Documents

1-7 of 7

View All

Severity	Log Time	Message Text	Explain
10	2:11:33PM	Starting program PTSF_GENFEED	Explain
	2:11:33PM	Real Time Indexing status for REG_ACTIVITY_GUIDE is OFF.	Explain
	2:11:33PM	Initiating document indexing	Explain
	2:12:49PM	Base Language documents published	Explain
	2:13:30PM	Total documents indexed: 30621	Explain
	2:13:33PM	Published message with ID 8cf89a88-dafa-11ee-9400-f3457aa6c3c2 to create entry in folder GENERAL.	Explain
	2:13:33PM	Successfully posted generated files to the report repository	Explain

Return

Insights Dashboard Index Pattern

Insights

OpenSearch Dashboards

Stack Managem... Index patterns Create index pattern

OpenSearch Dashboards ⓘ

[Index Patterns](#)

[Saved Objects](#)

[Advanced Settings](#)

Create index pattern

An index pattern can match a single source, for example, `filebeat-4-3-22`, or multiple data sources, `filebeat-*`.
[Read documentation](#)

Step 1 of 2: Define an index pattern

Index pattern name

Next step >

Use an asterisk (*) to match multiple indices. Spaces and the characters \, /, ?, *, <, >, | are not allowed.

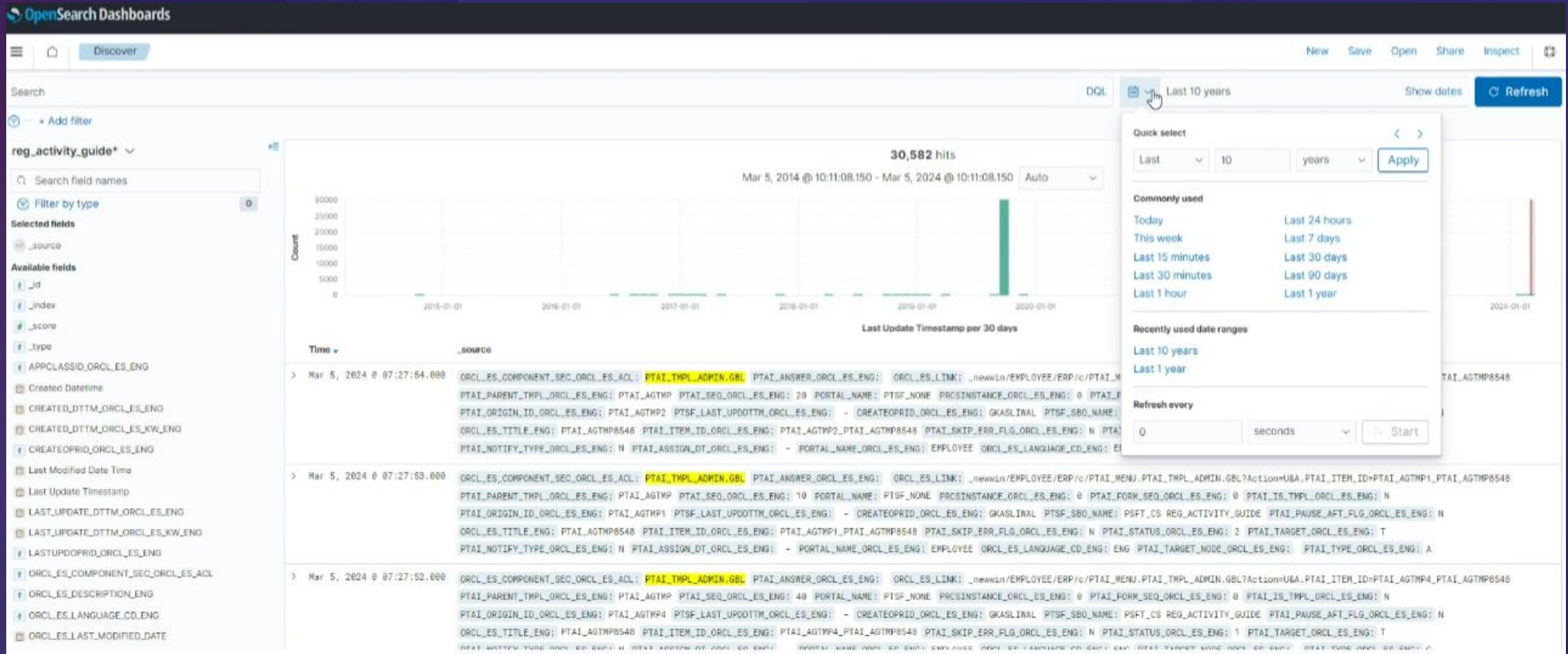
☐ Include system and hidden indices

✓ Your index pattern matches 2 sources.

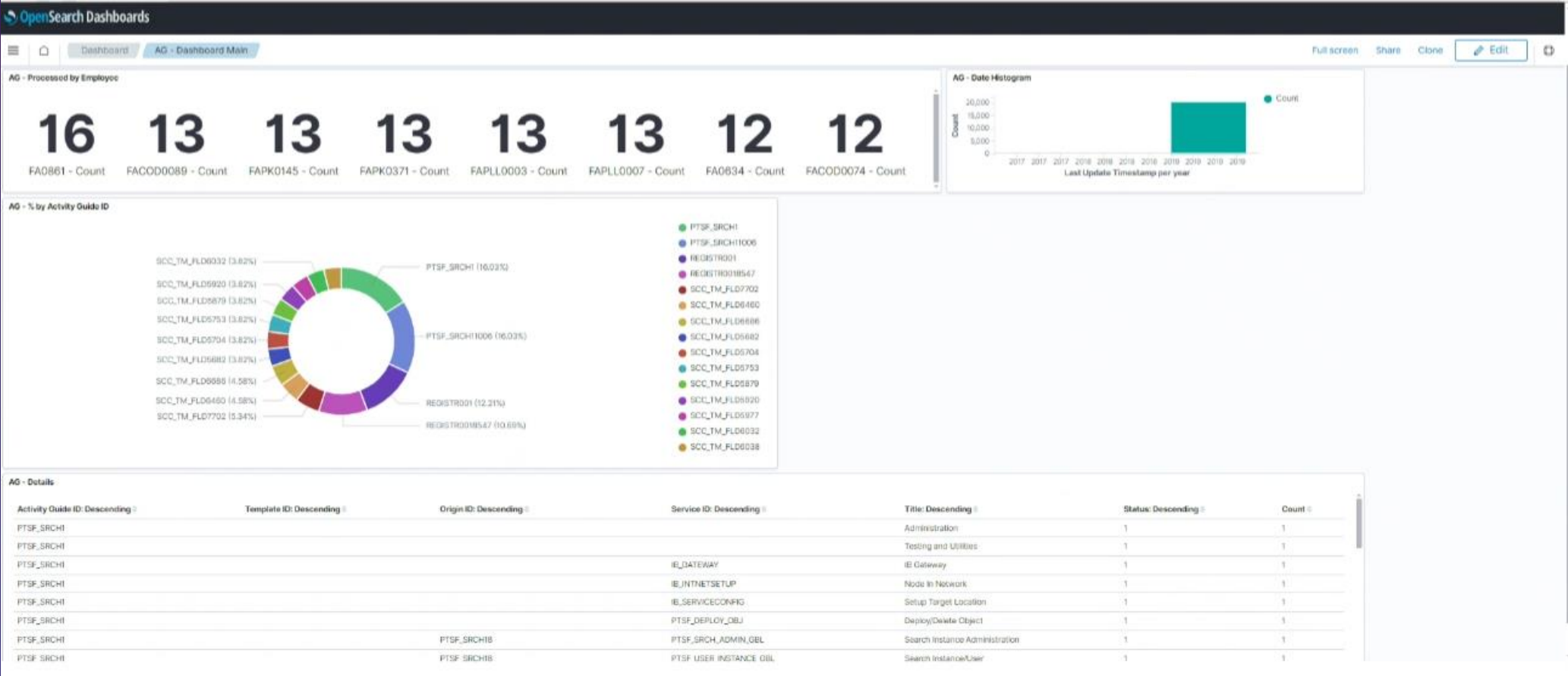
reg_activity_guid*_cs92030	Index
----------------------------	-------

Rows per page: 10

Insights Dashboard Data Set



Insights Dashboard Visualizations



Activity Guide Setup

1. Map Your Workflow:

- **List all activities:** Identify each individual task users need to complete.
- **Sequence the flow:** Determine the logical order in which tasks should be done.
- **Group related tasks:** Look for natural groupings where broader tasks act as "parents" to more detailed sub-tasks.

1. Connect Tasks to Resources:

- **PeopleSoft components:** Assign each task to the corresponding PeopleSoft transaction.
- **Alternatives:** Consider linking tasks to PeopleSoft queries, external URLs, or processes.

1. Define Ownership:

- **Assign roles:** Specify the user or role responsible for completing each task.
- **Clear accountability:** Ensure everyone knows who's responsible for what.

1. Automate Where Possible:

- **Pre-processing and post-processing:** Determine if any logic needs to run before or after specific tasks.
- **Streamline repetitive actions:** Automate workflows where feasible.

1. Dynamic or Manual Generation:

- **Automated:** Choose dynamic generation if activity guide instances populate automatically based on specific criteria.
- **Manual:** Opt for manual generation if you need more control over creating individual instances.

Activity Guide Setup

Exit

Activity Guide Composer

Template BOSBILL

Effective Date 1900-01-01

Previous

Next

Save

Introduction

General Information

Activity Guide Type

Security

Additional Actions

Sub Banner

Select Steps

Organize and Configure Steps

Display and Processing

Notifications

Organize and Configure Steps

For this step, you will assign a description to each step and specify the order in which the steps need to be completed.

Since the Activity Guide Type is **Vertical Non Sequential**, you can create a group step. A group step provides you the ability to organize one or more steps into a group. A step assigned to the group step is considered a sub step.

You are also able to define additional attributes for your steps (i.e. Required, Start Date, Due Date, etc.) and the dependencies between certain steps to control the order of how steps are completed.

Finally, you are able to delete steps. If you need to add steps, you can always return to Select Steps and add more steps.

Selected Steps

Add Group Step

Step Type	Move Up	Move Down	Step Description	Configure Group Step	Configure Attributes	Configure Depe
Step			Confirm the Student Group Population			
Group Step			Create Billing Requests			
Sub Step			Setup Paperbills (UMBPAPIRV)			
Sub Step			Setup Ebills (STDNTINV01)			
Sub Step			Setup Ebills (STDNTINV02)			
Sub Step			Setup Ebills (STDNTINV03)			

Category

Security

Context

Actions

Images

Assignees

Steps

Notifications

Activity Guide Category STFINBILLINGBOS

Category

Find | View All | First | 1 of 1 | Last

Effective Date 01/01/1900

Description Student Financials- Student Billing Process Boston

Category Security ?

Personalize | Find | First | 1-2 of 2 | Last

*Security Access	*Role Name		
1 Administer Category	AG Composer Administrator		
2 Add Templates	AG Composer Administrator		

Save

Return to Search

Previous in List

Next in List

Add

Update/Display

Include History

Correct History

Category | Security | Context | Actions | Images | Assignees | Steps | Notifications

Activity Guide Setup - Steps

The screenshot displays the Oracle Activity Guide Setup interface, specifically the 'Steps' tab for a category named 'STFINBILLINGBOS'. The interface is organized into several sections:

- Category Navigation:** A horizontal bar at the top allows switching between tabs: Category, Security, Context, Actions, Images, Assignees, Steps, and Notifications. The 'Steps' tab is currently selected.
- Category Details:** The main header shows 'Activity Guide Category: STFINBILLINGBOS'. Below this, there are search and navigation controls: 'Find | View All | First | 1 of 1 | Last'.
- Step Definition:** This section contains fields for defining a step:
 - *Step:** A text input field containing the value '20'.
 - *Description:** A text input field containing 'Print Invoice (STU3b)'.
 - *Long Description:** A larger text area containing 'Print Invoice (STU3b)'.
 - *Service Type:** A dropdown menu set to 'PS Component'.
 - *Service Id:** A text input field containing 'PRINT_INVOICE' with a search icon.
 - Fluid/Required:** Two checkboxes, both currently unchecked.
- Post Processing:** A section with expandable options:
 - Post Processing PeopleCode:** A blue bar with a question mark icon.
 - AWE Integration:** A blue bar with a question mark icon.
 - Related Data:** A blue bar with a question mark icon.
 - Additional Step Context:** A blue bar with a question mark icon.
 - Step Actions:** A blue bar with a question mark icon.
- Footer:** A row of buttons at the bottom: 'Add', 'Update/Display', 'Include History', and 'Correct History'.

Activity Guide Demo

LL Student Financials-
Student Billing Process
Boston

0

Student Financials-
Student Billing Process
Boston

1

Student Financials-
Student Billing Process
Boston- Jan

0

Student Financials- Student Billing Process Boston- Jan

Student Financials- Student Billing Process Boston

Start Process



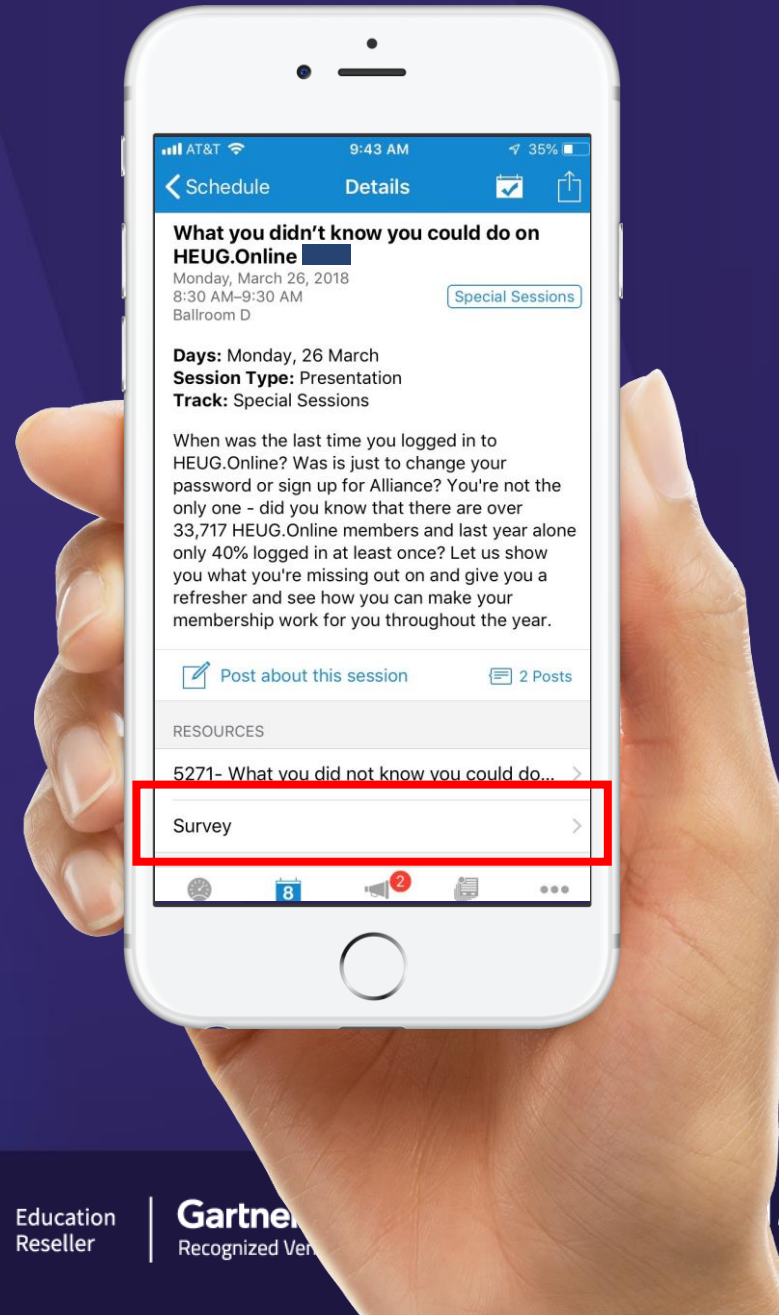
Questions?

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2. Click on this session in your schedule
3. Then click the “Resources” button and “Survey”
You will be required to login once with your Eventsential username and password.



THANK YOU!

This presentation and all Alliance 2024 presentations will be available for download from the conference site at:
www.alliance-conference.com



SpearMC Sessions at Alliance

Date	Time	Session Title	Presenters	Session #
3-Mar	12:00 - 3:00 PM	Extending and Customizing PeopleSoft Activity Guides using AG Composer Framework	Logesh Balasubramaniam – SpearMC	10637
3-Mar	4:30 - 7:30 PM	Welcome Reception: Sponsored by SpearMC		Conference
4-Mar	10:00 - 11:00 AM	Business Process Weaver – Automation please!	Yuliya Ivanova – Kaiser	10666
4-Mar	2:00 PM - 3:00 PM	Supplier Enablement through Supplier Portal	Randall Johnson – SpearMC	10714
5-Mar	10:00 – 11:00 AM	How UMASS Utilized OpenSearch to Monitor Student Billing Process	Susan McHugh - University of Massachusetts Randall Johnson – SpearMC	11037
5-Mar	2:00 - 3:00 PM	State of North Dakota Implementation of Oracle Guided Learning (OGL) in PeopleSoft	Lisa Berg – State of North Dakota Cameron McClurg – SpearMC	10650
5-Mar	3:30 - 4:30 PM	Slate CRM Integrations transform UMass System, Implementation & Renewal	Tom Paret – University of Massachusetts Dan Moran – SpearMC	10697
5-Mar	3:30 - 4:30 PM	PeopleSoft Grants Portal - Overview and Tips on Rolling Out the Grants Portal	Ron Lujan – Southern Methodist University	10737
6-Mar	11:30 - 12:30 PM	User Panel: Oracle Guided Learning in PeopleSoft	Ben Amster – City of Seattle	10720

2024 Training Calendar

Upcoming Class Schedule

Date	Courses
March 12	PeopleSoft 9.2 Query Basic & Intermediate for HCM
March 13	PeopleSoft 9.2 Query Advanced for HCM
March 26	PeopleSoft 9.2 Query Basic & Intermediate for Campus Solutions
March 27	PeopleSoft 9.2 Query Advanced for Campus Solutions
May 7	PeopleTools 8.59-8.60 OpenSearch Dashboards (formerly OpenSearch)

Visit our [website](#) for more information