

Operational Reporting via LaunchPad in SAP E-Recruiting



Applies to:

SAP E-Recruiting EHP 4. For more information, visit the [Enterprise Resource Planning homepage](#).

Summary

This document outlines the relevant SAP E-Recruiting configuration steps to include your own reports and queries in POWL via a LaunchPad. SAP E-Recruiting EHP 4 uses the Reporting LaunchPad portal object to display the reports on the user interface in the portal.

Author: Tapera Musungwa

Company: Independent Consultant

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Author Bio

Tapera has been working as a SAP HCM Consultant for over 7 years. He is both an SAP Certified Application Professional - Talent Management and SAP HCM Certified Solution Consultant.

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Introduction

As of SAP E-Recruiting, EHP 4 (ERECRUIT 604), a new Recruiter role SAP_RFC_RECRUITER_ERC_CI_2 with portal business package, BP ERP RECRUITER 1.40 was released. This role contains all relevant services and information that recruiters need to perform their daily tasks. The technology to display the Recruiter user interfaces changed from Business Server Pages (BSP) to WebDynpro ABAP (WDA) and SAP have said further UI developments are currently performed based on WDA only.

When you activate the business function, the dashboards are superseded by the POWL (Personal Object WorkList) query lists (power lists) in the work center in the portal for the recruiter and the administrator. A workset that you will also see includes 'Reports'. In the standard system, the system displays three reports in the Personal Worklist (POWL). The POWL's standard functions enable the recruiter to restrict the results of the reports easily by specifying selection criteria. After upgrading you might want to use your old reports and queries in the new POWL. To display these reports and queries in the POWL, you must first register them in the POWL.

Purpose

This document will outline and explain how to use the new reporting function. It will outline the relevant E-Recruiting configuration steps to include your own reports and queries in POWL via a LaunchPad. SAP E-Recruiting uses the Reporting LaunchPad portal object to display the reports on the user interface in the portal. A LaunchPad for the recruiter role is already available in the standard system.

Enhanced Reporting

SAP is making use of POWL, which is the main user interface introduced with enhancement packages. POWLs are not only used to show business objects related to the navigation structure, but also to integrate reports in a new look and feel – [Object-Based Navigation](#). The variants that were previously required for displaying the queries are now replaced by the Personalization function in the POWL. Personalization allows you to add pie charts or bar graphs to the list. InfoSet Query and InfoSets still have to be created in the old way. This document will not discuss about how to create new queries or InfoSets. The discussion will be about how to connect the InfoSet Query and InfoSet to the POWL.

The business data is delivered to the POWL framework via customizing and via feeder classes. The POWL customizing has to contain the information about the available POWL object types and the information about which feeder class delivers which POWL object type. The feeder class for InfoSets and Queries is CL_POWL_INFOSET_QUERY. This is a generic reporting feeder class which was developed to avoid developing a feeder class for each query. The needed runtime information about selection criteria, field catalog, executable actions or query results is retrieved dynamically by the class when you execute your queries.

Customizing

The customization for the reports in SAP E-Recruiting is done through link IMG Path:

SAP E-Recruiting > Technical Settings> Reporting



Specify Available User Groups

As part of the configuration, you are required to specify the user groups which are available in the system. The groups will limit the reports that a user can execute. If you do not specify any table entries, the user can call all queries that are entered in your system and that are assigned to the user. SAP delivers a standard user group ERC_RECR, where all the standard reports coming with the system are assigned. Here you can select the user groups available and are to be limited for E-Recruiting. You can still add more groups through transaction SQ03 if required.



If you do not select any user groups, all user groups that exist in the system are available in SAP E-Recruiting.

Display Own Queries in POWL

This step is required to register user-defined InfoSet queries for the personal object worklist (POWL). The query can then be included in the Reporting Launchpad and be called in portal via the POWL. There are sample queries which come with the system and are displayed to the recruiter via POWL. This node can be executed in SE38 transaction and entering report name *WDK_GENERATE_POWL_CUST*.

- Namespace – enter your own namespace
- InfoSet Query ID - Enter the name of the relevant InfoSet query or alternatively use the field input help to select from a list.
- User Group - Select the name of the appropriate user group

You can decide via the 'Create transport request' flag whether the report shall create transport requests for the new table entries or not. Then choose Execute. The 'Display logs' screen will appear where the application log shows information pertaining to the generated table entries.

Date/Time/User	Num	External ID	Object bit	Sub-object text	Tran	Program	Mode	Log number
01/02/2010 14:46:10 MUS	10				WDKQ_R..	WDK_GEN..	Dialog pro...	\$000001
	10							

Ty	Message Text
✓	Entry for POWL Type /ERC/ENG5A_12 was added to table POWL_TYPE. Use Transaction POWL_TYPE to edit it.
✓	Entry for POWL Type /ERC/ENG5A_12 was added to table POWL_TYPE_T. Use Transaction POWL_TYPE to edit it.
✓	Entry for POWL Type /ERC/ENG5A_12 and SAP InfoSet Query ENG5A_12 was added to table WDKQTYPES.
✓	Entry for App-ID /ERC/ENG5A_12 was added to table FPB_PERSAPPL. Use Transaction FPB_MAINTAIN_HIER to edit it.
✓	Entry for App-ID /ERC/ENG5A_12 was added to table FPB_PERSAPPLT. Use Transaction FPB_MAINTAIN_HIER to edit it.
✓	Entry for POWL Type /ERC/ENG5A_12 and App-ID /ERC/ENG5A_12 was added to table POWL_TYPE_ROL. Use Transaction POWL_TYPER to edit it.
✓	Entry for POWL Type /ERC/ENG5A_12 and POWL Query /ERC/ENG5A_12 was added to table POWL_QUERY. Use Transaction POWL_QUERY to edit it.
✓	Entry for App-ID /ERC/ENG5A_12 and POWL Query ENG5A_12 was added to table POWL_QUERY_ROL. Use Transaction POWL_QUERYR to edit it.
✓	Entry for POWL Type /ERC/ENG5A_12 and App-ID /ERC/ENG5A_12 was added to table WDKOAPPLID.
⚠	The created table entries won't be transported.

You can see the entries created and edit if required in the relevant tables as in the table below.

Entries	Tables	Transaction Code to Edit/Check
POWL object type	POWL_TYPE and POWL_TYPE_T	POWL_TYPE
Application id	FPB_PERSAPPL and FPB_PERSAPPLT	FPB_MAINTAIN_HIER
Mapping of InfoSet Query and POWL Object Type	WDKQTYPES	SM30
POWL Default Query	POWL_QUERY	POWL_QUERY
Mapping of Application ID and POWL Default Query	POWL_QUERY_ROL	POWL_QUERYR
Mapping of POWL Object Type, Application ID and POWL Default Query	WDKQAPPLID	SM30
Mapping of Application ID and POWL Object Type	POWL_TYPE_ROL	POWL_TYPER

Include Queries in LaunchPad

This is the node where you can include queries in the Reporting Launchpad for the recruiter. You can include in the standard recruiter role or you can create your own. You can then click on the change icon to display folders.

The screenshot shows the 'Overview of Launchpads' interface. At the top, there is a menu bar with 'Launchpad', 'Edit', 'Goto', 'System', and 'Help'. Below the menu bar is a toolbar with various icons. The main area displays a table of launchpads. The table has columns for Role, Instance, Description, E, C, Di, D, User Name, and Date. The 'RECRUITER' role is highlighted in yellow, and the 'EDIT' icon (pencil) for the 'REPORTS' launchpad is circled in red.

Role	Instance	Description	E	C	Di	D	User Name	Date
ERC	OBN_NAVIGATION						BECKERHEL	03/18/2009
ERC	WD_NAVIGATION						MUSUNGTX	12/16/2009
FPM_NAV_2	YOU_CAN_ALSO	FPM Test Navigation 2					LOEWH	04/14/2008
HAP	HAP_GENERIC_UI						YLLI	05/04/2009
PLM	GENERAL_BASIS	General Navigation					BUERNER	07/23/2008
RECRUITER	REPORTS	Recruiter LaunchPad					MUSUNGTX	12/14/2009
TDS	REPORTS						WIEDEMANN	12/15/2006

Below is the example report that I have configured to be generated from the query we were using before the upgrade to EHP 4. In the 'Parameter' field %2f percent-encoding will be used to denote '/'. ERC is the namespace provided while generating the POWL entries.

Change Launchpad Role: RECRUITER Instance: REPORTS

Customized Version	Appl Des...
Recruiter LaunchPad	Folder
Inactive Applications	Folder
Applications and Applicants	Folder
Activities with Requisition and Can	Webdynpro
Applications with Posting and Req	Webdynpro
Employees Query	Webdynpro
EEO Data	Folder

Linktext and optional description

Linktext	Employees Query
Descript	<input checked="" type="checkbox"/>
Appl.Alias	<input checked="" type="checkbox"/>

Application - Deactivation by user

Application can not be removed from the launch pad

Application category

Application category: Webdynpro ABAP

Parameters for Application

Namespace	sap
Application	POWL
Configuration	ERC_POWL_REPORTING
Parameter	APFLID=%2fERC%2fENG5A_12
System alias	SAP_FCC_FRecruiting

The feeder class for InfoSet queries, CL_POWL_INFOSET_QUERY, will determine at runtime the selection screen and the fields to be displayed as you have specified while creating the Query.

Viewing Reports

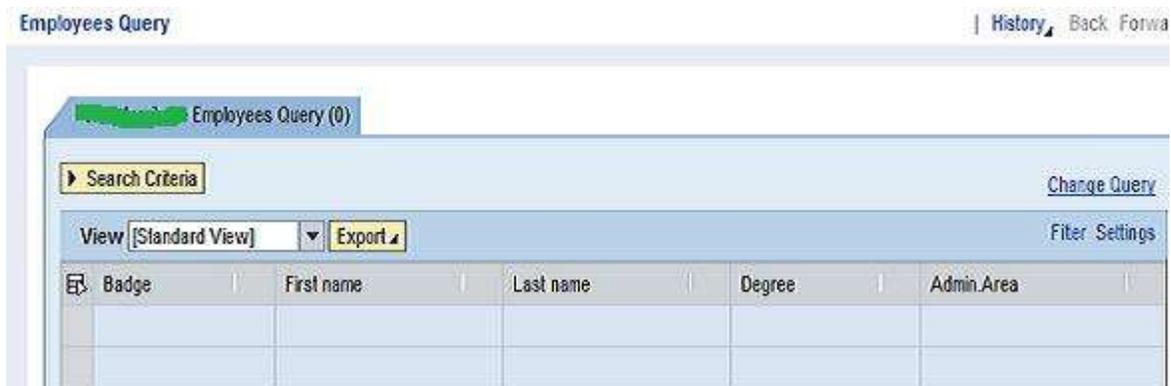
In the recruiter role in portal, you can click on 'Reports' workset to display the reports list.



The reports will be listed in the portal where you can click on the report you require to view.



You click on the new report that you have added to view it. The results which meet the selection criteria will automatically be displayed in the new window which is opened.



You can change the search criteria by clicking on the 'Search Criteria' function button. You can also change the query permanently to create a new criterion by clicking on 'Change Query' link. These functionalities are standard in any ABAP WebDynpro POWL query list and the feeder classes handle all these.

Employees Query

Change Query 'Employees Query' (Object Type: Employees Query)

Available Group: To

Deployment Potential: To

ITC English: To

Salary Code: To

[Preview](#) [Criteria Personalization](#)

[Apply](#) [Cancel](#)

In the screen below you can also see the selection screen you created in SQ01. The same fields you have configured will be automatically determined by the feeder class and you can use the same in POWL. You can edit the selection screen in the SQ01 and the changes will also automatically be reflected in your portal.

Display Query ENG5A_12: Selections

Basic List Statistics Ranked List

Do not use parameter IDs to preassign selections

Selection fields

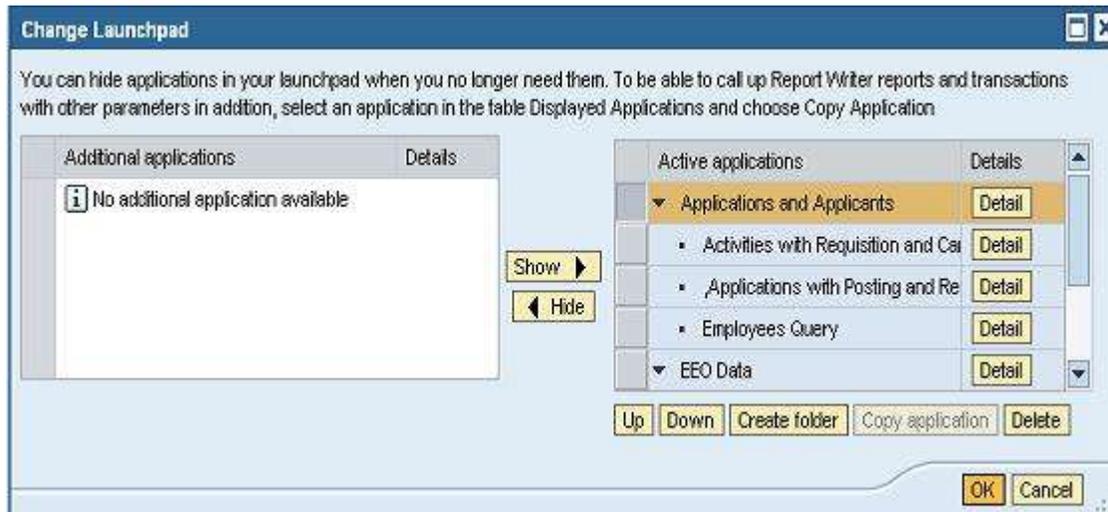
	No	Selection text	SV	1Z
<input type="checkbox"/>		Badge	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>		Badge	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>		Last name	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>		Available Group	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>		Deployment Potential	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>		Highest Math	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>		Salary Code	<input type="checkbox"/>	<input type="checkbox"/>

Through the 'Settings' you can also change preferences like how many rows you want to be displayed per page, columns and table design.

Employees Query

The screenshot shows the 'Employees Query' settings dialog box. The title bar reads 'Table Employees Query (0)'. Below the title bar is a 'Search Criteria' button. The main area is divided into two sections: 'Settings' and 'Display'. In the 'Settings' section, there is a 'View' dropdown menu set to '[Standard View]', and four buttons: 'Save', 'Save as...', 'Delete', and 'Properties...'. The 'Display' section contains a 'Table' sub-section with the following options: 'Displayed Rows' (input field with '20'), 'Displayed Columns' (dropdown menu set to 'Number of' with an input field containing '5'), 'Table Design' (dropdown menu set to 'Standard'), and 'Grid Lines' (dropdown menu set to 'All'). There is also an unchecked checkbox for 'Hierarchy' and a 'Define ...' button next to it. At the bottom of the dialog are three buttons: 'OK', 'Cancel', and 'Apply'.

You can save these settings and define as default view so that next time you open the same query, the same results view will be displayed for you. Through 'Export' button, SAP now provides standard functionality to export the results to Microsoft Excel. Through the 'Change LaunchPad' function button you can re-arrange your queries or create new folders then assign reports to the folder.



Related Content

[POWER List Reporting](#)

[Setting up Personal Worklists](#)

[HCM, SAP E-Recruiting 2](#)

[Personal Worklist](#)

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