Introduction

One of the business need for an HCM Cloud implementation project is to get detailed information about the Assignment Changes which has taken place in the application along with the insight of who performed the change and when. These details can be fetched if the Audit Functionality is enabled.

In this article we will try to demonstrate how we can create a custom ESS job which can be used to get Assignment Audit History Table.

Worked-Out Example

We would have to follow the below mentioned high level steps in order to accomplish the same:

1. Enable Auditing for Assignment Business Object
2. Create a custom data model
3. Create a custom report
4. Create a custom ESS Job
5. Run ESS Job to get results.

Enable Auditing for Assignment Business Object

***Navigation: Setup and Maintenance -> Search (Manage Audit Policies)->Configure Business Object Attributes***

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Creating a Custom Data Model

We would need to create a custom data model using SQL.

|  |
| --- |
| SQL |
| select ppnf.list\_name employee\_name,  papf.person\_number employee\_number,  asg\_audit.action\_code action,  asg\_audit.last\_update\_date action\_date,  asg\_audit.audit\_action\_type\_ audit\_action\_type,  (SELECT ppnf.list\_name  FROM per\_person\_names\_f ppnf,  per\_users pu  WHERE ppnf.name\_type = 'GLOBAL'  AND trunc(sysdate) between ppnf.effective\_start\_date and ppnf.effective\_end\_date  AND ppnf.person\_id = pu.person\_id  AND pu.username = asg\_audit.created\_by  ) action\_taken\_by,  asg\_audit.effective\_start\_date asg\_action\_date  from per\_all\_assignments\_m\_ asg\_audit,  per\_all\_people\_f papf,  per\_person\_names\_f ppnf  where papf.person\_id = asg\_audit.person\_id  and papf.person\_id = ppnf.person\_id  and asg\_audit.assignment\_type = 'E'  and trunc(sysdate) between papf.effective\_start\_date and papf.effective\_end\_date  and trunc(sysdate) between ppnf.effective\_start\_date and ppnf.effective\_end\_date  and ppnf.name\_type = 'GLOBAL'  and papf.person\_number = nvl(:p\_person\_number,papf.person\_number) /\* Colleague Number for whom investigation is required\*/  and asg\_audit.action\_code = nvl(:p\_action\_code,asg\_audit.action\_code)  --and asg\_audit.effective\_start\_date >= TO\_DATE('2020/06/15','YYYY/MM/DD') /\* Date on which Discrepancy happened \*/  order by asg\_audit.last\_update\_date desc |

Create a Custom Report

We would now need to create a report from the data model. The Report would appear as below:

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Create a Custom ESS Job

In this step, we would create a custom ESS job.

***Navigation->Setup and Maintenance-> Search (***[***Manage Enterprise Scheduler Job Definitions and Job Sets for Human Capital Management and Related Applications***](https://ucf3-zlli-fa-ext.oracledemos.com/fscmUI/faces/FuseTaskListManagerTop?_afrLoop=1028131958732610&_adf.ctrl-state=dzt3dmlwl_331)***)***

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Before we proceed with creating a new Custom ESS job we could create a custom List of Values which we will utilize for “Assignment Action Code”.

***Navigation->Setup and Maintenance-> Search (***[***Manage Enterprise Scheduler Job Definitions and Job Sets for Human Capital Management and Related Applications***](https://ucf3-zlli-fa-ext.oracledemos.com/fscmUI/faces/FuseTaskListManagerTop?_afrLoop=1028131958732610&_adf.ctrl-state=dzt3dmlwl_331)***)->Manage List of Values Sources***

Details to be populated in the LOV are as below:

|  |  |
| --- | --- |
| AssignmentActionCodeLOV | |
| **Attribute Name** | **Attribute Value** |
| \*Application Name | Global Human Resources |
| \*User List of Values Source Name | AssignmentActionCodeLOV |
| Description | Custom List of values to display all Assignment Action Code Values |
| \*LOV Type | User-Defined |
| \*Query | select distinct asg\_audit.action\_code  from per\_all\_assignments\_m\_ asg\_audit  order by asg\_audit.action\_code |

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Now we will create the ESS Job. Details used are as below:

|  |  |
| --- | --- |
| Assignment Audit Report | |
| **Attribute Name** | **Attribute Value** |
| \*Display Name | Assignment Audit Report |
| Name | ASG\_AUDIT\_REPORT |
| Path | /hr/ |
| Application | Global Human Resources |
| Description | Custom ESS job to get assignment audit details |
| \*Job Application Name | EarHcmEss |
| Default Output Format | TXT |
| \*Report ID | /Custom/Practice Samples/AssignmentAuditReport.xdo |
| Priority | 2 |
| Allow Multiple Pending Submissions | True |
| Enable Submission from Scheduled Processes | Checked |

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Parameter Details:

|  |  |  |
| --- | --- | --- |
| Parameter Prompt | Data Type | Page Element |
| \*\*Person Number | String | Text Box |
| \*\*Assignment Action Code | String | List of Values |

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Verification

As a last step we would try to run the newly created custom ESS job “Assignment Audit Report”

***Navigation: Tools-> Scheduled Processes -> Assignment Audit Report***

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And once we click on “Default Document” an excel file will open which would appear as below

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