Creating Custom List of Values Source for Scheduled Jobs

Introduction

I hope that most of you know how to create a “Custom ESS Job in Oracle HCM Cloud Application” and one limitation at that point of time was that we were not able to create custom list of value source and attach them with ESS job parameters. However, in the latest release (Release 13 19D) we do have the flexibility to attach a custom list of value source to ESS job parameter. The custom list of value source is based on a custom SQL (should not contain any bind variables).

In this example, we would demonstrate the same.

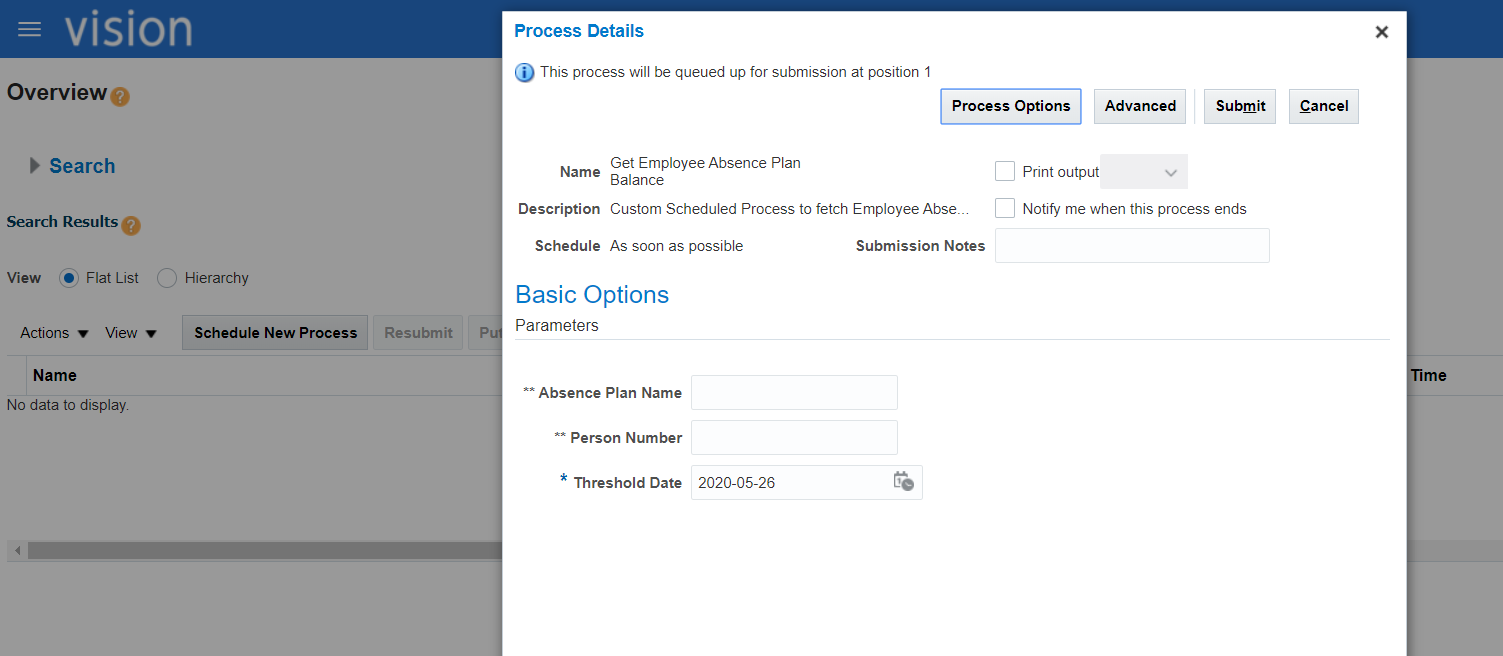
Pre-requisite

We should have a custom ESS Job available which should not have any list of value source attached to its parameter.

For this example, we will use a custom ESS Job titled “Get Employee Absence Plan Balance”.

We would try to submit this ESS

***Navigation-> Tools -> Scheduled Processes -> Search (Get Employee Absence Plan Balance)***



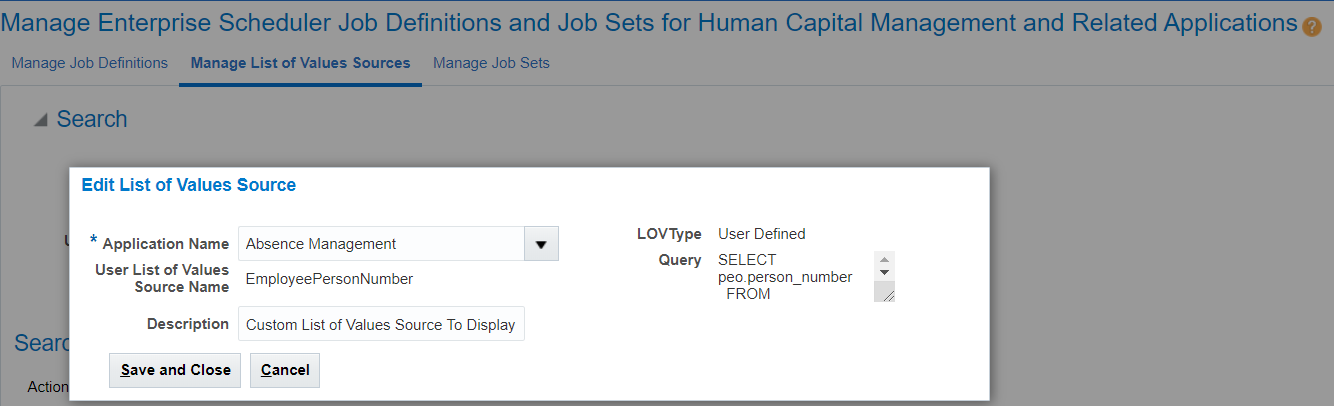
From the above screenshot we can clearly see that all the parameters are of “Text Box” type and there is no drop-down option to choose from.

We would now create two custom list of value source for “Absence Plan Name” and “Person Number”.

***Navigation: Setup and Maintenance -> Manage Enterprise Scheduler Job Definitions and Job Sets for Human Capital Management and Related Applications-> Manage List of Values Sources->Create***

|  |  |
| --- | --- |
| **Attribute Name** | **Attribute Value** |
| \*Application Name | Absence Management |
| User List of Values Source Name | EmployeePersonNumber |
| Description | Custom List of Values Source To Display Person Number for All Employees Enrolled in Absence Plan |
| LOVType | User Defined |
| Query | SELECT peo.person\_number  FROM per\_all\_people\_f peo,  per\_assignment\_status\_types\_vl pastv,  anc\_per\_plan\_enrollment appe,  per\_all\_assignments\_f asg,per\_periods\_of\_service ser,per\_person\_types\_tl per\_typ, anc\_absence\_plans\_f\_tl aapft, anc\_absence\_plans\_f aapf  WHERE asg.person\_id = peo.person\_id  AND asg.assignment\_status\_type\_id = pastv.assignment\_status\_type\_id  AND peo.person\_id = appe.person\_id  AND appe.per\_plan\_enrt\_id =(SELECT MAX(appe1.per\_plan\_enrt\_id) FROM anc\_per\_plan\_enrollment appe1  WHERE appe1.person\_id = peo.person\_id)  AND ser.period\_of\_service\_id = appe.prd\_of\_svc\_id  AND appe.plan\_id = aapft.absence\_plan\_id  AND ser.person\_id = peo.person\_id  AND asg.period\_of\_service\_id = ser.period\_of\_service\_id  AND asg.person\_type\_id = per\_typ.person\_type\_id  AND aapft.absence\_plan\_id = aapf.absence\_plan\_id  AND asg.primary\_flag = 'Y'  AND asg.assignment\_type IN ('E', 'C', 'N', 'P')  AND asg.assignment\_status\_type = 'ACTIVE'  AND per\_typ.LANGUAGE = USERENV ('LANG')  AND aapf.plan\_status = 'A'  AND aapft.LANGUAGE = 'US'  AND TRUNC (SYSDATE) BETWEEN peo.effective\_start\_date AND peo.effective\_end\_date  AND TRUNC (SYSDATE) BETWEEN asg.effective\_start\_date AND asg.effective\_end\_date  AND TRUNC (SYSDATE) BETWEEN aapf.effective\_start\_date AND aapf.effective\_end\_date  AND TRUNC (SYSDATE) BETWEEN aapft.effective\_start\_date AND aapft.effective\_end\_date  order by peo.person\_number asc |

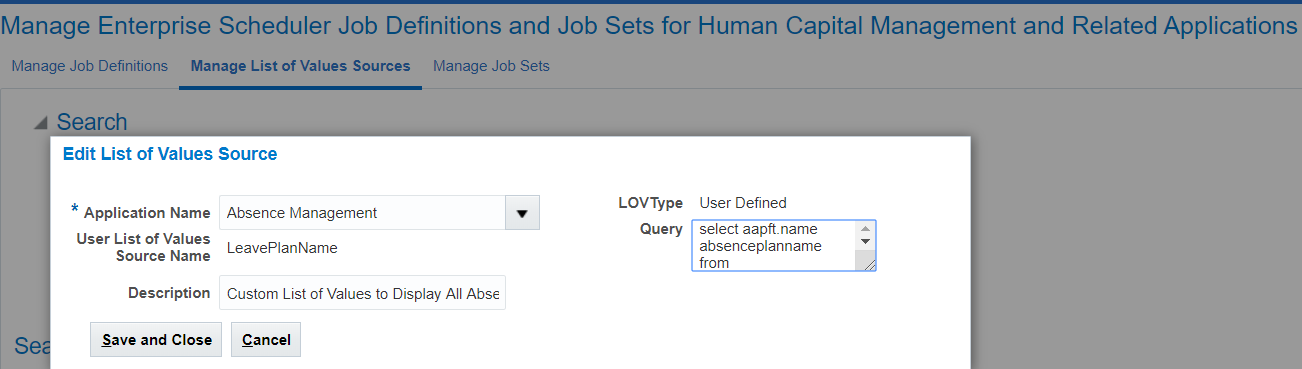
Application Screenshot



Similarly we need to create one more List of value for ***Absence Plan Name***

|  |  |
| --- | --- |
| **Attribute Name** | **Attribute Value** |
| \*Application Name | Absence Management |
| User List of Values Source Name | LeavePlanName |
| Description | Custom List of Values to Display All Absence (Leave) Plan Names where employees are enrolled |
| LOVType | User Defined |
| Query | select aapft.name absenceplanname  from anc\_absence\_plans\_f\_tl aapft,  anc\_absence\_plans\_f aapf  where aapf.absence\_plan\_id = aapft.absence\_plan\_id  and aapf.plan\_status = 'A'  and aapft.language = 'US'  and trunc(sysdate) between aapft.effective\_start\_date and aapft.effective\_end\_date  and trunc(sysdate) between aapf.effective\_start\_date and aapf.effective\_end\_date  order by aapft.name asc |

Application Screenshot

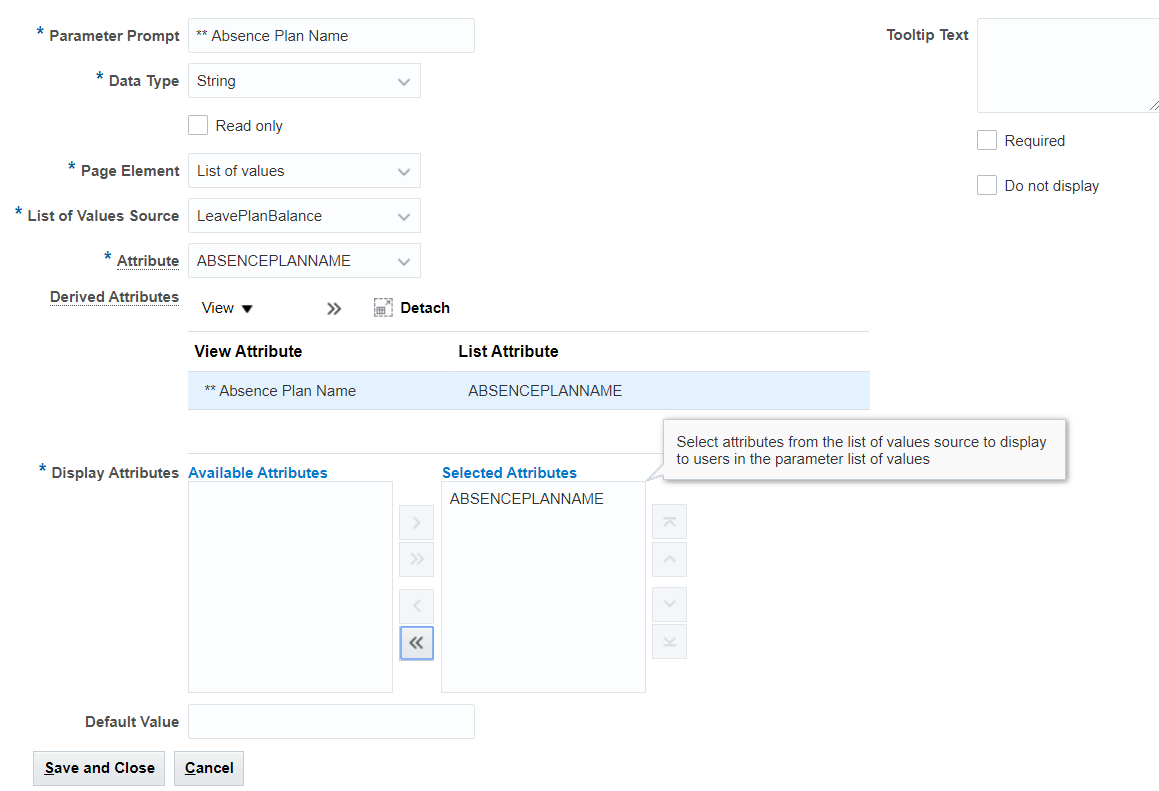


Attaching List of Values to ESS Job Parameter

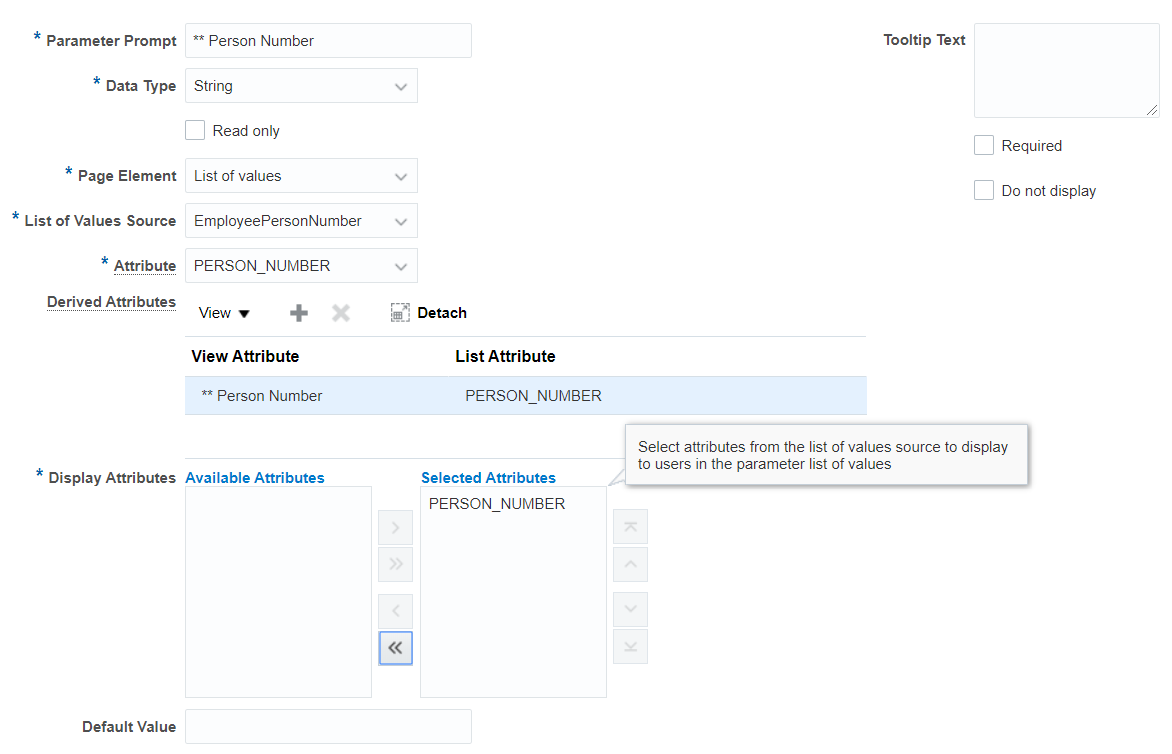
We would need to associate the newly created List of value source to the ess job parameters.

Navigation: ***Setup and Maintenance-> Search for Task (Manage Enterprise Scheduler Job Definitions for Human Capital Management and Related Applications) -> Search for ESS Job (Get Employee Absence Plan Balance)***

Search for Absence Plan Name and associate LeavePlanBalance List of Value



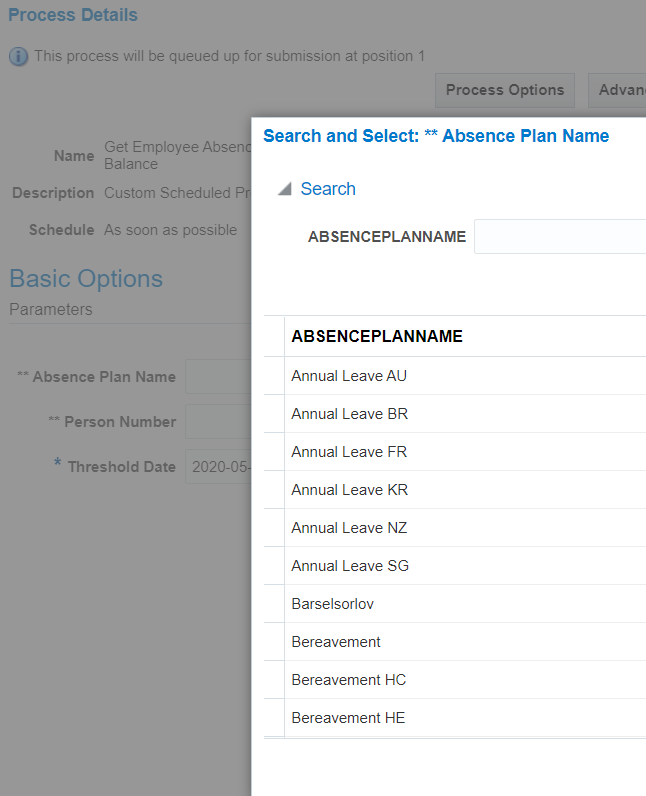
Similarly we would need to attach EmployeePersonNumber List of Value Source to Person Number ESS Job parameter



We are now done with the changes.

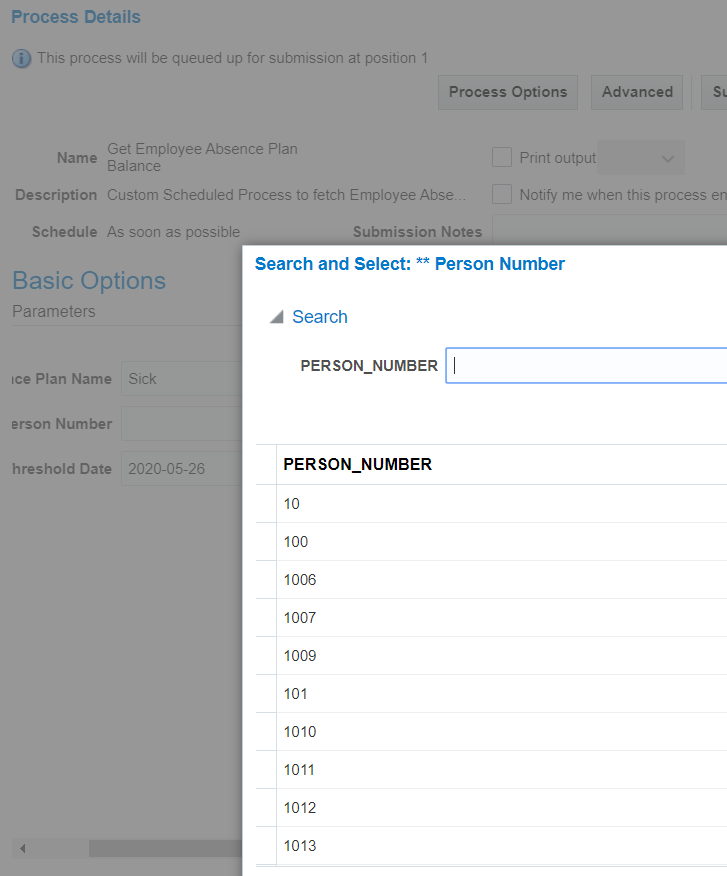
Verifying Results

As a last step we will run the ESS Job and check if the changes have reflected

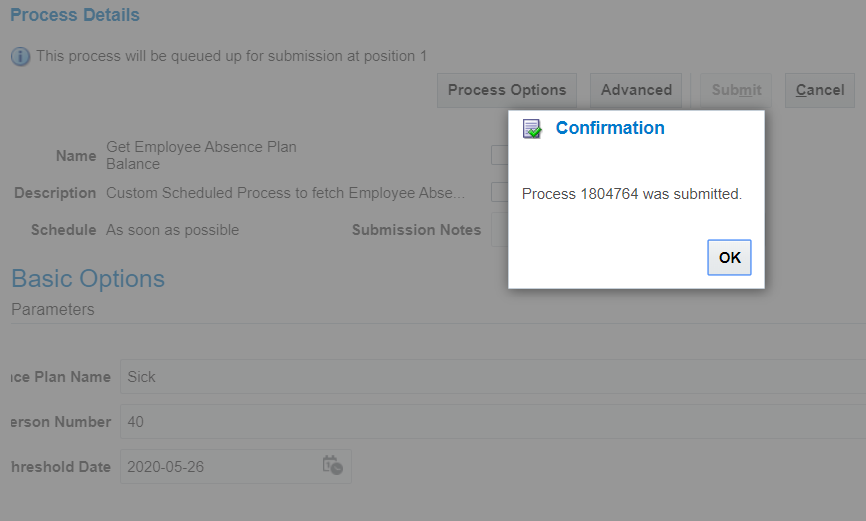


We would choose “Sick” as AbsencePlanName value

Similarly, we would need to choose a value for ***Person Number***



We would choose the value of 40 for this example.



Output

Once the ESS job completes we can verify the output.

