Introduction

A little strange it may sound first time but there are business use case where-in we want to have an absence type which should allow absence recording only if done via some specific users. Those users will be able to apply the absence for everyone but no-one else should be able to record absence apart from them.

The delivered application functionality categorises users into:

1. Employees
2. Line Managers
3. Administrators

But any further bifurcation isn’t delivered. This essentially means that an absence type can be enabled only for Administrators but we cannot restrict this to ensure that only ADMIN1, ADMIN2 can record absence against it but not all other Administrators.

In this post, we would demonstrate how we can achieve this functionality through a custom solution.

So, let’s get started.

Worked Out Example

We would have to perform a series of setups to achieve this functionality. We can break them down into the following steps:

1. Create Absence Type
2. Create a Custom Profile Option (Assign Values to Specific Admin Users)
3. Create a Custom Table Value Set
4. Create a Custom Fast Formula of Participation and Rate Eligibility Type
5. Attach the Custom Fast Formula to the Absence Type Created at Step 1
6. Verify Results

Create Absence Type

We will create a simple Absence Type (say “Special Leave”) and the important attribute values are mentioned in table below:

|  |  |
| --- | --- |
| Attribute Name | Attribute Value |
| Effective Start Date | 01-Jan-1951 |
| Name | Special Leave |
| Pattern | Generic Absence |
| UOM | Days |
| Legislative Data Group | US Legislative Data Group |
| Status | Active |
| Eligibility Type | SPECIALLEAVE\_ABSENCE\_TYPE\_ELIG |
| Enable Administrative Updates | Checked |

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Create Custom Profile Option

We would need to create a custom profile option (***SPECIALLEAVE\_ABSENCE\_TYPE\_VISIBLE*** which would hold ‘N’ at Site Level and ‘Y’ for Admin Users (HCM\_IMPL7 in this example) who are authorised to record absence. All other Admin users do not have a entry here and hence they should not be able to record the absence). Details of the profile option are below:

***Navigation-> Setup and Maintenance->Manage Profile Options-> Create***

|  |  |
| --- | --- |
| Attribute Name | Attribute Value |
| Profile Option Name | SPECIALLEAVE\_ABSENCE\_TYPE\_VISIBLE |
| Profile Display Name | Special Leave Absence Type Visibility |
| Application | Absence Management |
| Module | Absence Recording |
| Start Date | 1/1/1951 |
| Description | Custom Profile Option created to verify whether special leave absence type is visible |
| Profile Option Level (Site) | Enabled (Checked), Updatable (Checked) |
| Profile Option Level (User) | Enabled (Checked), Updatable (Checked) |

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Assign Profile Option Values

We will assign profile option values for this newly created profile option.

***Navigation->Manage Administrator Profile Values->SPECIALLEAVE\_ABSENCE\_TYPE\_VISIBLE***

|  |  |  |  |
| --- | --- | --- | --- |
| Profile Option Name: ALLOW\_SPECIALLEAVE\_ABSENCE\_BOOKING | | | |
| \*Profile Level | Product Name | User Name | Profile Value |
| Site |  |  | N |
| User |  | HCM\_IMPL7 | Y |

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Create a Custom Table Value Set

We will now create a custom table type value set.

***Navigation-> Setup and Maintenance -> Manage Value Sets -> Create***

|  |  |
| --- | --- |
| Attribute Name | Attribute Value |
| Value Set Code | |  | | --- | | SPECIALLEAVE\_ABSENCE\_TYPE\_VISIBILITY\_VS | |  | |
| Description | Custom Table Type Value Set which returns the profile value assigned to SPECIALLEAVE\_ABSENCE\_TYPE\_VISIBLE |
| \*Module | Absence Management |
| Validation Type | Table |
| Value Data Type | Character |
| \*FROM Clause | fnd\_profile\_option\_values fpov , fnd\_profile\_options\_b fpob |
| \*Value Column Name | fpov.profile\_option\_value |
| ID Column Name | fpov.profile\_option\_value |
| WHERE Clause | fpov.profile\_option\_id = fpob.profile\_option\_id  and fpob.profile\_option\_name = 'SPECIALLEAVE\_ABSENCE\_TYPE\_VISIBLE'  and fpov.level\_value =fnd\_global.user\_guid |

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Create Custom Fast Formula

We would now create a custom Fast Formula of Global Absence Entry Validation Type.

***Navigation-> Setup and Maintenance-> Fast Formulas -> Create***

|  |
| --- |
| Fast Formula Text |
| /\* Formula Name: SPECIAL\_LEAVE\_ELIGIBILITY  Formula Type: Participation and Rate Eligibility  Description : Custom Global Participation and Rate Eligibility Attached to Special Leave Absence Type    Change History:  \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  Version Date Created By  1.0 22-Jun-2020 Ashish Harbhajanka  \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  \*/    lc\_eligible = 'N'  lc\_val\_set\_has\_val = 'N'  lc\_visibility\_val = 'N'  ELIGIBLE = 'Y'  lc\_val\_set\_has\_val = GET\_VALUE\_SET('SPECIALLEAVE\_ABSENCE\_TYPE\_VISIBILITY\_VS')  IF ISNULL(lc\_val\_set\_has\_val) = 'N'  THEN  (  lc\_val\_set\_has\_val = 'N'  lc\_visibility\_val = 'N'  )    L\_LOG = ESS\_LOG\_WRITE('Value of lc\_visibility\_val is: ' || lc\_visibility\_val)  L\_LOG = ESS\_LOG\_WRITE('Value of lc\_val\_set\_has\_val is: ' || lc\_val\_set\_has\_val)  IF (lc\_val\_set\_has\_val = 'N')  THEN  (lc\_eligible = 'N')  ELSE  (lc\_eligible = 'Y')    ELIGIBLE = lc\_eligible  RETURN ELIGIBLE |

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Create Eligibility Profile

We will create a “Eligibility Profile”.

***Navigation->Setup and Maintenance->Eligibility Profiles->Create***

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Assign Eligibility Profile to Absence Type

Now we will attach the Fast Formula to Absence Type

***Navigation->Setup and Maintenance -> Manage Absence Types -> Special Leave***

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Verifying Results

Now we will login with an ADMIN user (***HCM\_IMPL7***) who is ***allowed*** to record absence booking for “Special Leave” and check result.

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We will now login with another ADMIN user (***HCM\_IMPL***) who is ***not authorized*** to record the absence and verify result.

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We will verify the same from Employee Login (SANDY.KIM) and she would not be able to see the Absence Type too in the dropdown

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And finally, when we even try as Line Manager (AMY.MARLIN) we would see that she also is not able to view the Absence Type.

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Summary

So, this is how we can make use of Participation and Rate Eligibility Fast Formula to restrict visibility of an Absence Type. One can extend this logic to meet new requirements.

And with this I would end this post.

Hope this was a good read, Thanks all for your time and have a nice day ahead.