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PAMAC Online (PMS) – Adding a new menu

The process of adding a new item in the menu in Pamac Online is different from the one in Calculus.

What we mean adding a new item is that we want to add a new web page and add the same under a Main menu / Submenu / item or such a hierarchy. Thus, in order to add a completely new Menu head (parent) and then have a submenu (child) and have under that child we can have multiple activities or tasks or screens.

Every task (or screen) in PMS is under a Centre – Activity – Product – client.

In other words, the menu tree – shows Centre – Activity – Product – client - task.

- HO Centre
 - Main head = “Software requirement “-- activity
 - sub head = “Policy” Product
 - sub-sub head - Client - Policy
 - menu item -Policy view (item 1) (task one) (new screens)
 - menu item - Policy upload (item 2) (task two) (new screens)

This is called hierarchy or Menu tree. To create this the following steps are involved:

Note: Thus, if the same screen has to be given to many centres, then the steps given hereunder have to be followed for every centre and so on.

Add activity to the respected centre

In view of the fact that centres are already maintained in the Centre master, to add a new task (screen) first we need to add a new activity. This is if we want to create a new main head. However, if an activity already exists, then we need not add a new activity. E.g. if we want to add a new screen in an existing main head say, “Software requirement”, then we need not add a new security. However, if I want a new main head say “MH-New” then we need to add this in the activity.

For this purpose, we use the front end menu (rights to admin) – Activity Master

Add product to the respected activity

Once the main is added or is existing, we need to add a sub-head or Product to the activity used in the previous step/s. Again, if you want to add a new screen within an existing sub-head, then we can skip this step.

For this purpose, we use the front end menu – Product Master

Add Client

Having created or decided to use the existing Main head – sub-head we need to create a sub-sub-head (client). For this we add a new client and also attach a product to the same.

Attach Product to the Client

Note: As on date the add client is having some issues and hence the same can be created from back end and edited from the front end to attach the product.

At this stage, the tree is ready, but the respective pages have not been added. For this task there is no front end and we have to use Database SQL commands to do the needful

Insert into Operations Master

Before we insert record/s into the operations master, we need to get the next Operation ID and the product id of the product that we created. This is done by the following queries.

- To get the last operation id
 - select top 1 * from OPERATION_MASTER order by OPERATION_ID desc
- To get the product Id to insert into OPERATION_MASTER
 - select * from product_master

From the above get the last Operation id and the product id of the product which we created or have decided to use.

We need to insert into Operations Master 2 items namely:

- sub-sub head of the menu
- menu item - The screens (tasks) items of the menu

In case more than one screen is attached, so many inserts will have to be made.

- For the sub-sub head the following SQL statement would be used:
 - insert into OPERATION_MASTER (OPERATION_ID, PRODUCT_ID, OPERATION_CODE, OPERATION_NAME, MENU_HEADER, ISCLUSTER, ISHO, ISCENTRE, PAGE_URL, DISPLAY_ORDER, VISIBILITY) Values (100, '10133', null, 'Policy', '1', null, null, null, null, 2, 'y')
 - Explanation:
 - The value 100 (operation id) is the last number got from the first sql + 1
 - The value of '10133' is the Product_id got from the selection we made
 - Operation_code is left as null
 - Operation Name is the name of the sub-sub head in our example 'Policy'
 - Menu_Header is given as 1 as it is the only sub-head under this activity
 - ISCLUSTER is null
 - ISCENTRE is null
 - PAGE_URL – This is null for sub-sub head (as no page is attached at this level)
 - DISPLAY_ORDER is given as 2 (as already one sub-sub head exists under this activity (main head))
 - VISIBILITY – y for yes and n for no.

- For menu item the following SQL statement would be used:
 - insert into OPERATION_MASTER (OPERATION_ID, PRODUCT_ID, OPERATION_CODE, OPERATION_NAME, MENU_HEADER, ISCLUSTER, ISHO, ISCENTRE, PAGE_URL, DISPLAY_ORDER, VISIBILITY) values(101,'10133',null,'Upload Policy','1',null,null,null,'UploadProcessAndPolicies.aspx',1,'y')
 - Explanation
 - You can see that all values are as explained above except that the additional information of Page_URL is furnished, This is the name of the .aspx by which we have created the page and located it under the respective folder.
- Similar insert would have to be made for each item in the menu item.

It is always better to check whether the above operations have been done correctly by:

```
select role_id, * from role_master
```

Insert into role Operation

The last step is to attach the above tasks (screens) to the role. This can also be done from the front end but in view of the poor construction of the hierarchy, it is preferable to do it from back end as follows:

- insert into role_operation (Role_id, operation_Id, IsAdd, ISEdit, ISDELETE, ISVIEW) values ('1','101',1,1,0,1)
- Explanation:
- Role_id – The role id to which this task is to be allocated e.g. 1 (this is ADMIN)
- operation_Id – The operation id which we have given for this task in the earlier step
- ISADD – These are the rights to add new record - 1 for yes 0 for no
- ISEdit – These are the rights to edit record – 1 for yes 0 for no
- ISDELETE – These for the rights to delete – 1 for yes 0 for no
- ISVIEW – These for the rights to view – 1 for yes or 0 for no

This insert to be run for each of the menu item duly changing the values as desired.

Check your insert through the following

```
select * from role_operation where operation_Id in (101,102)
```

Conclusion

After the above are done, the Menu will be visible to the Admin users with rights given as above.
