Related Object: Create Project Management Project (Tips)

You can use the Related Object Management to create a Project Management Project (PPM-PRO) based on a Portfolio Item.

Further information and prerequisites for this functionality are available in the Online Documentation under http://help.sap.com/saphelp_ppm610/helpdata/en/49/dc218266be3ef1e10000000a421937/content.htm?frameset=~en/4a/a068b6d2b65f3e10000000a421937/frameset.htm&current_toc=~en/e4/dd18b285a9431b835a16e86e964cc7/plain.htm&node_id=128&show_children=false

Below you can find some code snippets where you can set breakpoints to start the technical analyze.

1) Breakpoint
FM: DFM_DO_CREATE_PROCESSING

```plaintext
CALL FUNCTION 'DFM_DO_SYNC_PROCESSING'
EXPORTING
  is_source_object_context = is_source_object_context
  is_operation_context = is_operation_context
  it_target_templates = it_target_templates
  it_triggering_objects = it_triggering_objects
  it_params = it_params
IMPORTING
  et_messages = et_messages
  ev_rc = ev_rc.
```

2) Breakpoint
CL_INM_DFM_OBJECT_INTEGRATION

```plaintext
HANDLE_CREATE_REQUEST

* Transforming to object link type based table
  CALL METHOD cl_inm_dfm_repository=>convert_template_assocs

The table LT_TARGET_OBJTYPE_TEMPLATES must be filled with:
  OBJECT_LINK_TYPE  0INMCPROJECT
  GROUPING          PDCP

* Do the creation
  CALL METHOD create_target_object

* Create the object links
  CALL METHOD create_object_links
```

"Do the creation" in Detail:
Depending on whether a "Project Template" for the Project Management Project is selected or not - one of the following methods CREATE_OBJECT_WITHOUT_TEMPLATE or CREATE_OBJECT_WITH_TEMPLATE is called:

```plaintext
CASE iv_creation_type.
  * create without template or create on item type (project type is provided)
    WHEN cl_inm_of_co=>sc_create OR
      cl_inm_of_co=>sc_create_on_type.
      CALL METHOD cl_inm_of_project_helper=>create_object_without_template

  * create with template
    WHEN cl_inm_of_co=>sc_create_w_templ.
      CALL METHOD cl_inm_of_project_helper=>create_object_with_template
```

When a "Project Template" is set in the Item then the following breakpoints are relevant:
Here the following steps are necessary to create a new project:
- Carry out basic authorization check
- Load project template
- Copy project
...

Creating a Project Management Project without a Project-Template:

* create project
CALL METHOD lr_serv_man->create
EXPORTING
   iv_bo_name = cl_dpr_api_co=>sc_bo_cprojects
   iv_bo_node_name = lv_bo_node_name
   lt_key_handles = lt_key_handles
   lt_data = <lt_data>.

Parameters must be:
- IS_TARGET_TEMPLATE-GROUPING: PDCP
- IS_TARGET_TEMPLATE-OBJECT_LINK_TYPE: 0INMCPROJECT
- IS_ATTRIBUTES-OBJECT_LINK_TYPE: 0INMCPROJECT

...
Changes of the Item should be synchronized to Project Management Project at:
CL_INM_OF_PROJECT_Helper
CHANGE_OBJECT

Info

General Information: Integration Options (PFM)
Tips concerning DFM synchronization can you find in: Decision Flow Management (Tips)

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