PSA EASY Maintenance Method: Search and Modify PSA Data Easily

Applies to:
This applies to SAP BI (3.5, 3.0B)

Summary
There are limitations to search records in PSA and mass modify the records. PSA search in BI is a difficult task as it shows Data by Packets. Search and Replace values for a particular column in PSA is not easy. This document tries to overcome the limitations of PSA by providing customized methods. This document is divided into two parts.

1. Searching for a particular record in PSA
2. Mass change for a value in PSA [This can be used for any other table]

Author: Nooruddin Shaikh
Company: Wipro Technologies Ltd.
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Author Bio
Nooruddin Shaikh is a BI certified consultant having more than 8yrs of experience including more than 4 yrs in BI. Currently he is working as a BI Architect with Wipro Technologies. You can reach him at nooruddin.shaikh@wipro.com / noor.shaikh@yahoo.co.uk.
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Summary:

Limitations for PSA such as searching a particular record in PSA and mass change values in PSA can be achieved by the following method. This document is divided into two parts.

- Searching for a particular record in PSA
- Mass change for a value in PSA [This can be used for any other table]

PART 1: Searching for a particular record in PSA

Follow the steps to search a particular record in PSA

Step 1: Identify the request number from the data load monitor

Step 2: Fetch the table name for the request using the table RSTSODSPART using the Tcode SE16.
Step 3: Put the request number from the Step 1 and enter into the request field and execute. It will display the record which contain the record as below.

Data Browser: Table RSTSODSPART Select Entries

Step 4: Select the Technical ODS name from the above screen and display the records using table name as Technical ODS name [TCode SE16]. Fill the Request number field from Step 1.
Here you can use filter to get the desired records.
PART 2: Mass change for a value in PSA

The ABAP program is created that can be use to replace any value from any table. This program is a generic program. If you need to alter any value from PSA it would be easy to maintain. After data load failure you find that 100,000 records contain some wrong value this program can be used to alter the values which will overcome the limit of PSA maintenance tool. This program can be used in any other application other than PSA.

Please download the file and create an ABAP program to execute.

Step 1: TCODE: SE38

```
DATA :
  dref TYPE REF TO data,
  it_grid_fcat TYPE lvc_t_fcat,
  struct_grid_lset TYPE lvc_s_layo,
  tab_info LIKE TABLE OF dfies.

FIELD-SYMBOLS :
  <fs_tab> LIKE LINE OF tab_info,
  **** Output Structure****
  <it_disptab> TYPE table.
```
PARAMETER:
P_itab TYPE tabname,
P_fname TYPE fieldname,
P_extval(30),
P_repval(30).

*Assign the input value to <fs_tab>-tabname
ASSIGN p_itab TO <fs_tab>-tabname .
*<fs_tab>-tabname
CALL FUNCTION 'LVC_FIELDCATALOG_MERGE'
  EXPORTING
    i_structure_name = p_itab
  CHANGING
    ct_fieldcat = it_grid_fcat.

*Static method - no need to create object (use => )
CALL METHOD cl_alv_table_create=>create_dynamic_table
  EXPORTING
    it_fieldcatalog = it_grid_fcat
  IMPORTING
    ep_table = dref.

ASSIGN dref->* TO <it_disptab>.

* Fetch Data
DATA:
  con_syn(50),
  set_syn(50).

CONCATENATE p_fname '=' 'P_EXTVAL' INTO con_syn SEPARATED BY space.
CONCATENATE p_fname '=' 'P_REPVAL' INTO set_syn SEPARATED BY space.

UPDATE (p_itab) SET (set_syn) WHERE (con_syn).

IF sy-subrc <> 0.
  WRITE: 'Mission Impossible.. Operation Failed'.
ELSE.
  WRITE: 'Operation Sucess'.
Step 3: Activate the program

Step 4: Run the program

- P_ITAB contain the table name to be modified. This can contain the table identified in Step 4.
- P_FNAME contain the field name to be modified
- P_EXTVAL old value to be replaced
- P_REPVAL new value.

After executing the program, if executes properly it will comes up with the following message.

If does not execute properly it will comes with the error message:
Modify Field in a Table

Modify Field in a Table

Mission Impossible... Operation Failed
Related Content

- PSA Maintenance
- Many records to be edited in PSA
- PSA
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