

## NOTE MARCH 2007

### Transaction SE16 –risk and control

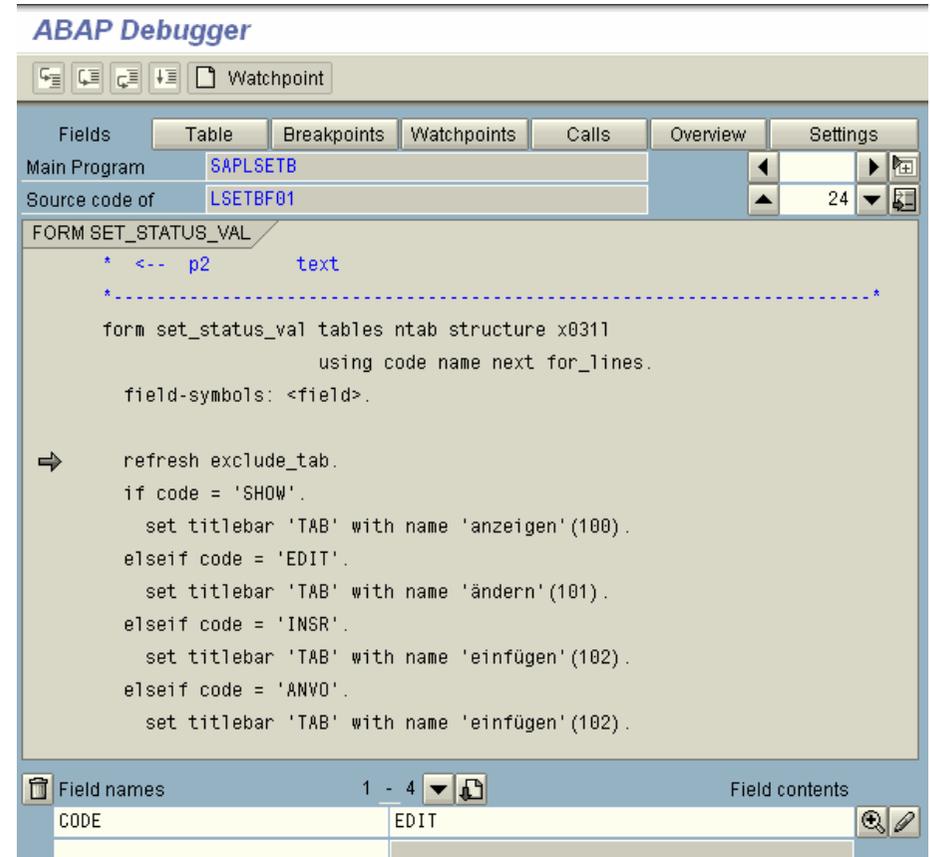
The transaction code **SE16** in combination with critical authorizations allows some highly critical steps within a SAP® system.

For this example you call the transaction code **SE16**, and enter the table name **TGSB** to the selection field. After selecting one special entry via double click, you will then get e.g. the following window displayed:

|                 |                    |
|-----------------|--------------------|
| Business Area   | 0001               |
| Cons.bus.area   |                    |
| X-syst.bus.area |                    |
| Business area   | Business area 0001 |

The table fields are currently protected against maintenance. [This is represented by the grey colour].

In this next view the debugging function is activated via corresponding entry of **/h** to the command line **[/h – enter]**.



The screenshot shows the ABAP Debugger window with the following details:

- Fields:** Table (SAPLSETB), Breakpoints, Watchpoints, Calls, Overview, Settings
- Main Program:** SAPLSETB
- Source code of:** LSETBF01
- FORM SET\_STATUS\_VAL:**

```

* <-- p2      text
*-----*
form set_status_val tables ntab structure x0311
                        using code name next for_lines.
field-symbols: <field>.

=> refresh exclude_tab.
if code = 'SHOW'.
    set titlebar 'TAB' with name 'anzeigen'(100).
elseif code = 'EDIT'.
    set titlebar 'TAB' with name 'ändern'(101).
elseif code = 'INSR'.
    set titlebar 'TAB' with name 'einfügen'(102).
elseif code = 'ANVO'.
    set titlebar 'TAB' with name 'einfügen'(102).

```
- Field names:** 1 - 4
- Field contents:** CODE, EDIT

In the next step the string **CODE** is entered to the *Field name* and **EDIT** to *Field contents*. After that the *Pencil Button* is activated and the settings are saved. At this moment an additional authorization check based on the object S\_DEVELOP for activity 02 [replace/change] is executed.

| Object              | S_DEVELOP      | ABAP Workbench                  |
|---------------------|----------------|---------------------------------|
| Object class        | BC_C           | Basis - Development Environment |
| Field               | Value          |                                 |
| Activity            |                |                                 |
| Package             | 02             |                                 |
| Object name         | FBASCORE       |                                 |
| Object type         | TGSB           |                                 |
| Authorization group | TABL           |                                 |
| Authorization group | ABAP/4 program |                                 |
|                     | <Dummy>        |                                 |

After saving of the adjustments, and running of the function *F8*, the corresponding field entries are opened for maintenance.

|            |                    |
|------------|--------------------|
| GSBER      | 0001               |
| GSBER KONS |                    |
| GSBER GLOB |                    |
| GTEXT      | Business area 0001 |

A test change is executed and saved

**Browser: Table TGSB Select Entries 1**

Check Table...

TGSB

Selected fields: 5 of 5 Fixed columns: 2 List width 0250

| GSBER | GSBER_KONS | GSBER_GLOB | GTEXT                    |
|-------|------------|------------|--------------------------|
| 0001  |            |            | Business area 0001- test |

This event is logged within the SysLog [**SM21**].

The event ID is **A19** change of field content for **A14** program, line, and event.

But you will not be able to trace the former setting of the field.

This is also valid for the transaction codes based on **SE16** that have a table directly assigned, like e.g.:

SE16RFCDESSECU  
SE16T000  
SE16TXCOMSECU  
SE16USR40  
SE16USRACL  
SE16USRACLEXT  
SE16V\_T599R  
SE16W3TREES  
SE16WWWFUNC  
SE16WWWREPS  
SE16\_ANEA  
SE16\_ANEK  
SE16\_ANEP  
SE16\_ANLA  
SE16\_ANLC  
SE16\_ANLP  
SE16\_ANLZ  
SE16\_BKPF  
SE16\_BSEG  
SE16\_BSID  
SE16\_BSIK  
SE16\_B SIS  
SE16\_ECMCA  
SE16\_ECMCT  
SE16\_KNA1  
SE16\_KNB1  
SE16\_LFA1  
SE16\_LFB1

SE16\_MARA  
SE16\_MARC  
SE16\_RFCDESSECU  
SE16\_SKA1  
SE16\_SKB1  
SE16\_T000  
SE16\_T807R  
SE16\_TCJ\_CHECK\_STACK  
SE16\_TCJ\_CPD  
SE16\_TCJ\_C\_JOURNALS  
SE16\_TCJ\_DOCUMENTS  
SE16\_TCJ\_POSITIONS  
SE16\_TCJ\_WTAX\_ITEMS  
SE16\_TXCOMSECU  
SE16\_USR40  
SE16\_USRACL  
SE16\_USRACLEXT  
SE16\_V\_T599R  
SE16\_W3TREES  
SE16\_WWWFUNC  
SE16\_WWWREPS