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Usage and System Error in SAP Adobe Forms

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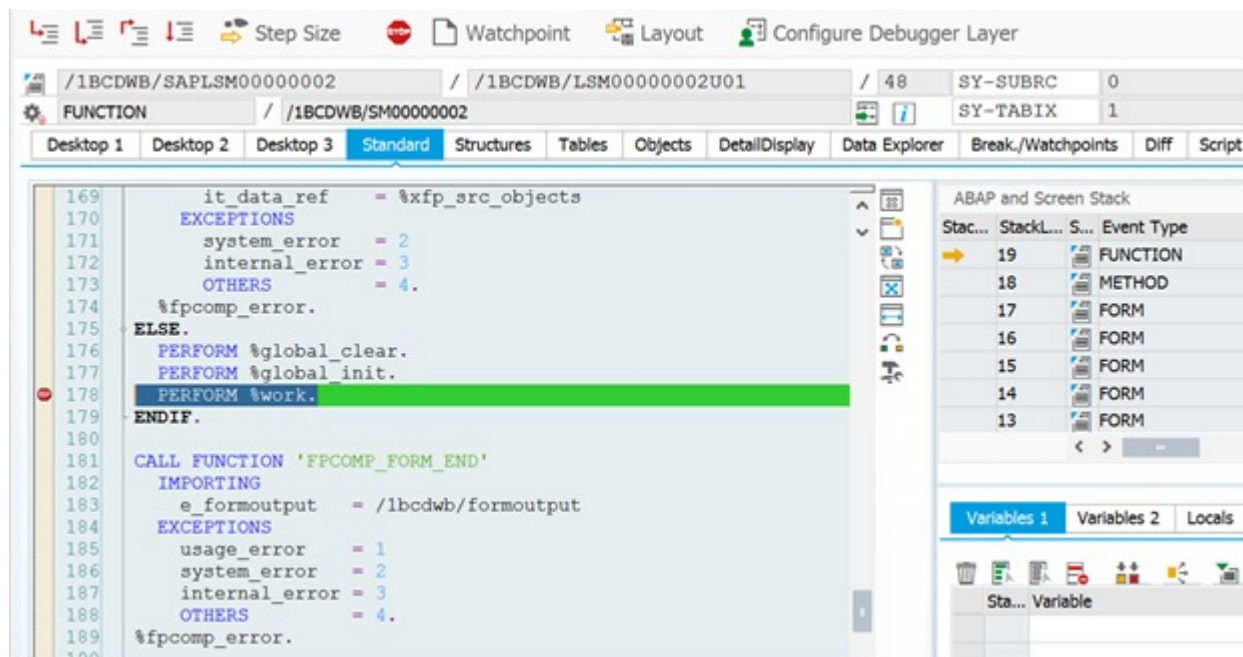
We have received several issues where users are not unable to preview Adobe Form. System doesn't show any error message. When we start debugging we can see SY-SUBRC becomes 1 or 2 after FM being called. It says Usage Error or System Error.

We need to analyzed the standard program, and involves sequence of break-points. I thought it will be helpful to put the sequence, and it is going to save the time.

Here are the sequence of steps used to analyze the issue in case of such Error.

USAGE ERROR:

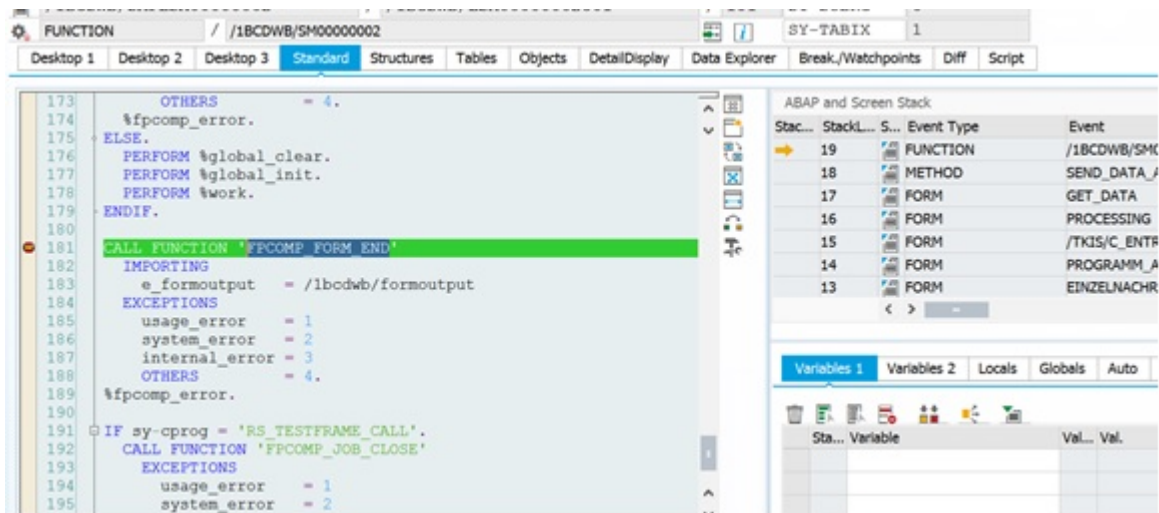
Start debug the FM used to call Adobe form (Press F5), and put a break-point at subroutine %WORK as shown below.



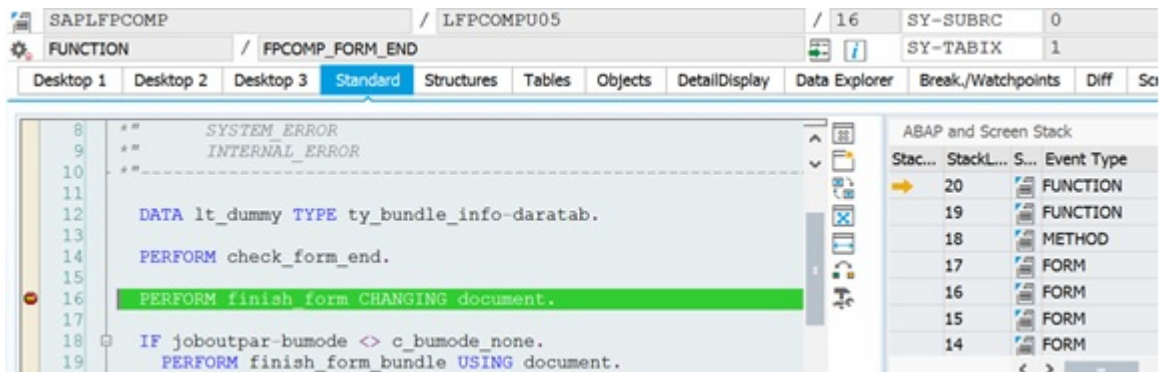
Debug the Perform, we can come to know exactly which field is causing the issue. Most of the time, issue with long text display.

SYSTEM ERROR:

Start debug the FM used to call Adobe form (Press F5), and put a break-point at FM: 'FPCOMP_FORM_END' as shown below



Start debug the FM: FPCOMP_FORM_END, and navigate to subroutine FINISH as shown below, and put the break-points at highlighted position below.



Navigate to sub-routine CREATE_OUTPUT_CURRENT_FORM in sub routine FINISH_FORM

SAPLFPCOMP / LFPCOMPFRM / 113 SY-SUBRC

FORM / FINISH_FORM SY-TABIX

Desktop 1 Desktop 2 Desktop 3 Standard Structures Tables Objects DetailDisplay Data Explorer Break/Watchpoints

```
138 USING p_document-spoolprev-formname
139      xml_node_counter
140 CHANGING xml_bundle_info-bundle_b.
141 ENDIF.
142 CLEAR xml_node_counter.
143
144 * Create PDF/PDL.
145 IF joboutpar-xfp = abap_false.
146   IF joboutpar-bumode = c_bumode_none.
147     * Bundle info is empty in this case.
148     PERFORM create_output_current_form USING xml bundle
149                                             abap_false
150                                             CHANGING p_document.
151   ENDIF.
152 ENDIF.
153
154 ENDFORM. "finish form
155
```

ABAP and Screen Sta

Stac...	StackL...	S...	E
21		FK	
20		FL	
19		FL	
18		M	
17		FK	
16		FK	
15		FK	

Variables 1 Varia

And Access FM: FPCOMP_CREATE_PDX, and we can read the runtime error in FPEX as shown below.

SAPLFPCOMP / LFPCOMPFRM / 484

FORM / CREATE_OUTPUT_CURRENT_FORM

Desktop 1 Desktop 2 Desktop 3 Standard Structures Tables Objects DetailDisplay Data Explorer

```
476 job-proxy.
477 ENDIF.
478 ls_parameters-system_id = job-proxy_parameters-syst
479 ls_parameters-job_id = job-proxy_parameters-job_
480 ls_parameters-request_id = job-partname.
481 ENDIF.
482
483 TRY.
484 CALL FUNCTION 'FPCOMP_CREATE_PDX'
485 EXPORTING
486   i_connection = p_document-spoolp
487   iv_use_logical_port = joboutpar-paralle
488   iv_logical_port = fpconnect-logport
489   iv_synchronous = p_synchronous
```

Function module FPCOMP_CREATE_PDX Active

Attributes Import Export Changing Tables Exceptions Source code

```
226 IF i_fillable = 'F'.
227     l_pdfo->set_offline_mode( mode = abap_true ).
228 ENDIF.
229 * Parallelization mode.
230 IF joboutpar-parallel = abap_true.
231     l_pdfo->set_parallelization_mode( mode = abap_true
232 ENDIF.
233
234 * Execute
235 l_pdfo->execute( iv_synchronous = iv_synchronous
236                 is_parameters = is_parameters ).
237
```

Below Method we give the error message, and we can find error at the end of FM as shown in next screenshot.

Method IF_FP_PDF_OBJECT~EXECUTE

```
1 METHOD if_fp_pdf_object~execute.
2
3 * Determine which job has to be performed.
4 set_job_info( ).
5 IF _control-job <> cpdfo_job_render
6     AND _ads_object IS NOT BOUND AND iv_synchronous = abap_false.
7     RAISE EXCEPTION TYPE cx_fp_runtime_usage
8     EXPORTING
9         textid = cx_fp_runtime_usage=>invalid_parameter
10        errmsg = 'IV_SYNCHRONOUS'.
11 ENDIF.
12
13 TRY.
14 * Perform requested operations, including calling the ADS.
15 execute_internal( iv_synchronous = iv_synchronous
16                 is_parameters = is_parameters ).
17
```

SAPLFPCOMP / LFPCOMPU01

FUNCTION / FPCOMP_CREATE_PDX

Desktop 1 Desktop 2 Desktop 3 Standard Structures Tables Objects DetailDisplay

321

ENDIF.

322

323

CATCH cx_fp_runtime INTO l_fpex.

324

l_error = abap_true.

325

ENDTRY.

326

327

IF l_error = abap_true.

328

IF NOT l_pdfo IS INITIAL.

329

adstrace = l_pdfo->get_trace().

330

ENDIF.

331

adserrstr = l_fpex->get_text().

332

RAISE EXCEPTION l_fpex.

333

ENDIF.

334

335

ENDFUNCTION.

L_FPEX = {O:INITIAL}

TYPE = Ref to CX_FP_RUNTIME

Alert Moderator

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