2504510 - S/4HANA: MMSC SYSTEM_ABAP_ACCESS_DENIED

Version	3	Type	SAP Knowledge Base Article
Language	English	Master Language	English
Release Status	Released to Customer	Category	Problem
Component	LO-MD-MM (Material Master)	Released On	16.11.2017

Please find the original document at https://launchpad.support.sap.com/#/notes/2504510

Symptom

When you execute transaction MMSC you will receive an ABAP programming error "SYSTEM_ABAP_ACCESS_DENIED".

Environment

- SAP ERP Logistics (LO)
- SAP S/4HANA, on-premise 1610 (FPS02 and higher)
- SAP S/4HANA, on-premise 1709

Reproducing the Issue

1. EXECUTE Transaction MMSC

2. The system will produce the following dump:

```
  200           EXIT.
  201         ELSE.
  202           IF SY-DATAR = 'X' AND READ_SY_DATAR = 'X'.
  203             CALL TRANSACTION OBJECT_NAME WITHOUT AUTHORITY-CHECK AND SKIP FIRST SCREEN. " a
  204           ELSE.
  205             CALL TRANSACTION OBJECT_NAME WITHOUT AUTHORITY-CHECK. " authority is checked in
  206           ENDIF.
  207         ENDIF.
>>>>>         IF CONTROL_INSTANCE = 'X'.
  209           DO.
  210             CALL_SY_TCODE = SY-TCODE.
  211             SY-TCODE = SAVE_SY_TCODE.      "#EC WRITE_OK
  212 *      SY-DATAR = SAVE_SY_DATAR.
  213             IF CALL_SY_TCODE = 'SESSION_MANAGER' OR CALL_SY_TCODE = SPACE
  214                                             OR CALL_SY_TCODE = 'SESS'
  215                                             OR CALL_SY_TCODE = 'SMEN'
  216                                             OR CALL_SY_TCODE = 'SES0'.
  217               IF CALL_SY_TCODE <> SPACE.
  218                 MESSAGE I375(S#) WITH CALL_SY_TCODE.
  219               ENDIF.
  220               EXIT.
  221             ENDIF.
  222 * >>>>       vjb 16 Nov 2007: note 1115495
  223 *         PERFORM KERNEL_CHECK_AUTHORITY USING CALL_SY_TCODE
  224 *                                        CHANGING CANCEL_FLAG.
  225           CALL FUNCTION 'SMTR_KERNEL_CHECK_AUTHORITY'
  226             EXPORTING
  227               P_OBJECT_NAME    = CALL_SY_TCODE
```

Active Calls/Events				
No.	Ty.	Program	Include	Line
		Name		
6	FUNCTION	SAPLSMTR_NAVIGATION_MODULES	LSMTR_NAVIGATION_MODULESU03	20
		NAVIGATION_EXECUTE_OBJECT_HELP		
5	FUNCTION	SAPLSMTR_NAVIGATION_MODULES	LSMTR_NAVIGATION_MODULESU02	25
		NAVIGATION_EXECUTE_OBJECT		
4	FORM	SAPLSMTR_NAVIGATION	LSMTR_NAVIGATIONF17	55
		UCOMM_START_TRANSACTION		
3	FORM	SAPLSMTR_NAVIGATION	LSMTR_NAVIGATIONF17	106
		UCOMM_HANDLE_OK_CODE		
2	FORM	SAPLSMTR_NAVIGATION	LSMTR_NAVIGATIONF10	2
		UCOMM_USER_COMMAND		
1	MODULE (PAI)	SAPLSMTR_NAVIGATION	LSMTR_NAVIGATIONI01	
		USER_COMMAND_0100		

```
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204          ELSE.
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206          ENDIF.
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>>>>>      IF CONTROL_INSTANCE = 'X'.
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210            CALL_SY_TCODE = SY-TCODE.
211            SY-TCODE = SAVE_SY_TCODE.     "#EC WRITE_OK
212 *      SY-DATAR = SAVE_SY_DATAR.
213            IF CALL_SY_TCODE = 'SESSION_MANAGER' OR CALL_SY_TCODE = SPACE
214                                             OR CALL_SY_TCODE = 'SESS'
215                                             OR CALL_SY_TCODE = 'SMEN'
216                                             OR CALL_SY_TCODE = 'SES0'.
217              IF CALL_SY_TCODE <> SPACE.
218                MESSAGE I375(S#) WITH CALL_SY_TCODE.
219              ENDIF.
220              EXIT.
221            ENDIF.
222 * >>>>       vjb 16 Nov 2007: note 1115495
223 *          PERFORM KERNEL_CHECK_AUTHORITY USING CALL_SY_TCODE
224 *                                     CHANGING CANCEL_FLAG.
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227                P_OBJECT_NAME    = CALL_SY_TCODE
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```
Active Calls/Events
```

No.	Ty. Name	Program	Include	Line
6	FUNCTION NAVIGATION_EXECUTE_OBJECT_HELP	SAPLSMTR_NAVIGATION_MODULES	LSMTR_NAVIGATION_MODULESU03	20
5	FUNCTION NAVIGATION_EXECUTE_OBJECT	SAPLSMTR_NAVIGATION_MODULES	LSMTR_NAVIGATION_MODULESU02	25
4	FORM UCOMM_START_TRANSACTION	SAPLSMTR_NAVIGATION	LSMTR_NAVIGATIONF17	55
3	FORM UCOMM_HANDLE_OK_CODE	SAPLSMTR_NAVIGATION	LSMTR_NAVIGATIONF17	106
2	FORM UCOMM_USER_COMMAND	SAPLSMTR_NAVIGATION	LSMTR_NAVIGATIONF10	2
1	MODULE (PAI) USER_COMMAND_0100	SAPLSMTR_NAVIGATION	LSMTR_NAVIGATIONI01	

Cause

- As per SAP Note 2340925 MMSC is Deprecated, No workaround
- The transaction has been marked blacklisted in S/4 HANA 1610 FPS02 onwards in future release of S4

Resolution

Kindly note that the transaction MMSC has been whitelisted again as part of SAP Note 2518816.

Please keep in mind since this transaction will no longer have any usage for MRP, as planning on storage location level no longer works, and MRP Areas should be used instead.

- As substitute, the customer should use transaction MM01 to enhance materials for different storage locations, there is no other substitute or workaround.
- In Fiori using Product Master Fiori Application you can assign storage location to a Material.

See Also

- SAP Note 2249880 - Dump SYSTEM_ABAP_ACCESS_DENIED caused through Blacklist Monitor in SAP S/4HANA on premise

Keywords

SAPLSMTR_NAVIGATION_MODULES, LSMTR_NAVIGATION_MODULESU3, Feature Pack Stack 02, FPS02 Deprecated, blacklisted

Products

SAP S/4HANA 1610

SAP S/4HANA 1709

This document refers to

SAP Note/KBA	Title
2518816	Re-Enabling Tr. MMSC in S/4 HANA 1610 FPS02 release onwards
2340925	SAP S/4HANA 1610 FPS02 : Few of SAP GUI Transactions are not available or redirected to other transactions
2249880	Dump SYSTEM_ABAP_ACCESS_DENIED caused through Blacklist Monitor in SAP S/4HANA on premise

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