

Short text

The system is configured incorrectly.

What happened?

The current program had to be terminated because of an error when installing the R/3 System.
The program had already requested 799522256 bytes from the operating system with 'malloc' when the operating system reported after a further memory request that there was no more memory space available.

What can you do?

Note which actions and input led to the error.

For further help in handling the problem, contact your SAP administrator

You can use the ABAP dump analysis transaction ST22 to view and manage termination messages, in particular for long term reference.

In the system profile, set the parameters

-abap/heap_area_dia and

-abap/heap_area_nondia

to a maximum of 799522256. To be on the safe side, reduce the value by 10,000,000.

Then restart the SAP system.

Error analysis

When the program was running, it was established that more memory was needed than the operating system is able safely to provide. To avoid a system crash, you must prevent this situation from occurring.

Last error logged in SAP kernel

```
Component..... "EM"  
Place..... "SAP-Server eachiano_NSP_00 on host eachiano (wp 1)"  
Version..... 37  
Error code..... 7  
Error text..... "Warning: EM-Memory exhausted: Workprocess gets PRIV "  
Description..... " "  
System call..... " "  
Module..... "emxx.c"  
Line..... 1881
```

The error reported by the operating system is:

Error number..... " "
Error text..... " "

How to correct the error

Report the error to the group responsible for installing your R/3 System.

System environment

SAP-Release 700

Application server... "eachiano"
Network address..... "192.168.1.10"
Operating system..... "Windows NT"
Release..... "5.1"
Hardware type..... "2x Intel 80686"
Character length.... 8 Bits
Pointer length..... 32 Bits
Work process number.. 1
Shortdump setting.... "full"

Database server... "eachiano"
Database type..... "ADABAS D"
Database name..... "NSP"
Database user ID.. "SAPNSP"

Char.set.... "English_United State"

SAP kernel..... 700
created (date)... "Jan 29 2007 00:33:09"
create on..... "NT 5.0 2195 Service Pack 4 x86 MS VC++ 13.10"
Database version. "SQLDBC 7.6.3.012 CL 169237 "

Patch level. 95
Patch text.. " "

Database..... "MaxDB 7.6, MaxDB 7.7"
SAP database version. 700
Operating system.... "Windows NT 5.0, Windows NT 5.1, Windows NT 5.2"

Memory consumption
Roll.... 8112
EM..... 420370736
Heap.... 799522256
Page.... 90112
MM Used. 255666744
MM Free. 955857776

User and Transaction

Client..... 000
User..... "BCUSER"
Language key..... "E"
Transaction..... "SEU_INT "
Transactions ID..... " "

Program..... "Z_ABAP101_BOMBA_OO"
Screen..... "SAPMSSY0 1000"
Screen line..... 6

Information on where terminated

Termination occurred in the ABAP program "Z_ABAP101_BOMBA_OO" - in "START-OF-SELECTION".
The main program was "Z_ABAP101_BOMBA_OO".

In the source code you have the termination point in line 38 of the (Include) program "Z_ABAP101_BOMBA_OO".

Source Code Extract

Line	SourceCde
8	
9	REPORT z_abap101_bomba_oo.
10	
11	*-----*
12	* CLASS lcl_data DEFINITION
13	*-----*
14	*
15	*-----*
16	CLASS lcl_data DEFINITION.
17	PUBLIC SECTION.
18	DATA: ci_data TYPE string.
19	ENDCLASS. "lcl_data DEFINITION
20	
21	*-----*
22	* CLASS lcl_data IMPLEMENTATION
23	*-----*
24	*
25	*-----*
26	CLASS lcl_data IMPLEMENTATION.
27	ENDCLASS. "lcl_data IMPLEMENTATION
28	
29	START-OF-SELECTION.
30	
31	TYPES: ty_o_ref_data TYPE REF TO lcl_data.
32	
33	DATA: o_data_object TYPE ty_o_ref_data,
34	i_o_data TYPE STANDARD TABLE OF ty_o_ref_data.
35	
36	WHILE 1 = 1.
37	CREATE OBJECT o_data_object.
>>>>	o_data_object->ci_data = `X`.
39	APPEND o_data_object TO i_o_data.
40	ENDWHILE.

Contents of system fields

Name	Val.
SY-SUBRC	0
SY-INDEX	3843070
SY-TABIX	3843069
SY-DBCNT	0
SY-FDPOS	0
SY-LSIND	0
SY-PAGNO	0

O_DATA_OBJECT->CI_DATA

X
5
8

I_O_DATA

Table IT_11[3843069x8]

\PROGRAM=Z_ABAP101_BOMBA_OO\DATA=I_O_DATA

Table reference: 7

TABH+ 0(20) = 30F6D13B0000000000000000070000000B000000

TABH+ 20(20) = FDA33A0008000000FFFFFFFF0400000098050000

TABH+ 40(8) = 10000000C1288001

store = 0x30F6D13B

ext1 = 0x00000000

shmId = 0 (0x00000000)

id = 7 (0x07000000)

label = 11 (0x0B000000)

fill = 3843069 (0xFDA33A00)

leng = 8 (0x08000000)

loop = -1 (0xFFFFFFFF)

xtyp = TYPE#000015

occu = 16 (0x10000000)

access = 1 (ItAccessStandard)

idxKind = 0 (ItIndexNone)

uniKind = 2 (ItUniqueNon)

keyKind = 1 (default)

cmpMode = 4 (cmpSingleEq)

occu0 = 1

groupCntl = 0

rfc = 0

unShareable = 0

mightBeShared = 0

sharedWithShmTab = 0

isShmLockId = 0

gcKind = 0

isUsed = 1

isCtfyAble = 1

>>>> Shareable Table Header Data <<<<<

tabi = 0xA0F5D13B

pgHook = 0x080C8244

idxPtr = 0x00000000

shmTabhSet = 0x00000000

id = 6 (0x06000000)

refCount = 0 (0x00000000)

tstRefCount = 0 (0x00000000)

lineAdmin = 3849264 (0x30BC3A00)

lineAlloc = 3843120 (0x30A43A00)

shmVersId = 0 (0x00000000)

shmRefCount = 1 (0x01000000)

>>>> 1st level extension part <<<<<

regHook = Not allocated

collHook = Not allocated

ext2 = Not allocated

>>>> 2nd level extension part <<<<<

tabhBack = Not allocated

delta_head = Not allocated

pb_func = Not allocated

pb_handle = Not allocated

%_SPACE

2
0

Internal notes

The termination was triggered in function "resize_0" of the SAP kernel, in line 654 of the module "C:\bas\700_REL\src\kern\runt\abstor.c#4". The internal operation just processed is "MOVE". Internal mode was started at 20110307152416.

Active Calls in SAP Kernel

Lines of C Stack in Kernel (Structure Differs on Each Platform)

SAP (R) - R/3(TM) Callstack, Version 1.0
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Callstack without Exception:

App : disp+work.EXE (pid=1032)
When : 3/7/2011 15:25:31.109
Threads : 2

Computer Name : EACHIANO
User Name : SYSTEM
Number of Processors: 2

Processor Type: x86 Family 6 Model 15 Stepping 13
Windows Version : 5.1 Current Build: 2600

State Dump for Thread Id e30

eax=043cd4d0 ebx=000004d8 ecx=00800000 edx=ffffff00 esi=000004d8 edi=00000000
eip=7c90e514 esp=043cd900 ebp=043cd964 iopl=0 nv up ei ng nz ac po cy
cs=001b ss=0023 ds=0023 es=0023 fs=003b gs=0000 efl=00000297

function : KiFastSystemCallRet

7c90e514 c3 ret
7c90e515 8da42400000000 lea esp,[esp] ss:043cd900=7c90df5a
7c90e51c 8d642400 lea esp,[esp] ss:1309c90f=00000000

FramePtr	ReturnAd	Param#1	Param#2	Param#3	Param#4	Function Name
043cd964	7c802542	000004d8	0001d4c0	00000000	043cd99c	ntdll!KiFastSystemCallRet
043cd978	00fec10a	000004d8	0001d4c0	00000001	7c38b5c8	kernel32!WaitForSingleObject
043cd99c	0056a476	0056a4af	7c38b5c8	7c38b5c8	7c38b5c8	disp+work!strncpy_sRFB
043cd9e4	00856ffb	3bcb0548	00000000	01c9b790	00000000	disp+work!PrBinAll
043cde68	00744b29	012daaaa	012daaa84	0000028e	01c9b790	disp+work!ab_rabax
043cdef8	007452e0	00000000	00000001	00000000	012db534	disp+work!ab_MemoryCheck
043cdf30	010467b4	04bbe0d8	0f3d2a38	00000000	043ce0a4	disp+work!ab_storfree
043ce09c	010475c6	3bcb0548	04bbe000	011d1000	07331598	disp+work!MmxMalloc2
043ce210	006629eb	3bcb0548	64d40098	04bbe000	011d1000	disp+work!MmxFree2
043ce240	00662f7d	02297fe4	00000000	00000000	6f8f91b0	disp+work!ab_ObjMgrPerformCompleteGC
043ce384	006415b7	0000002b	00000000	00000000	00000003	disp+work!ab_ObjMgrPerformCompleteGC
043ce40c	00692657	00000008	6f8f9a68	00000000	043ce474	disp+work!ab_LoadLocalClass
043ce474	007c5fe3	3bd20e04	00000000	043ce4a0	00000000	disp+work!ab_popExtriState
0130f230	00000000	49444553	00000000	4f525f25	0000544f	disp+work!zdate_stamp

State Dump for Thread Id 218

eax=0664feb8 ebx=00000103 ecx=00001e30 edx=0664fec7 esi=00000000 edi=00000000
eip=7c90e514 esp=0664febc ebp=0664ff00 iopl=0 nv up ei pl zr na po nc
cs=001b ss=0023 ds=0023 es=0023 fs=003b gs=0000 efl=00000246

function : KiFastSystemCallRet

7c90e514 c3 ret
7c90e515 8da42400000000 lea esp,[esp] ss:0664febc=7c90d3aa
7c90e51c 8d642400 lea esp,[esp] ss:1531eeeb=00000000

FramePtr	ReturnAd	Param#1	Param#2	Param#3	Param#4	Function Name
0664ff00	010e70d5	000006f4	00000000	04e40000	048b3560	ntdll!KiFastSystemCallRet
0664ff80	7c349565	00000000	04e40000	048acd70	048b35f8	disp+work!haSHA1Input
0664ffb4	7c80b729	048b35f8	04e40000	048acd70	048b35f8	MSVCR71!endthreadex
0664ffec	00000000	7c3494f6	048b35f8	00000000	00000000	kernel32!GetModuleFileNameA

ABAP Control Blocks (CONT)											
Index	Name	Fl	PAR0	PAR1	PAR2	PAR3	PAR4	PAR5	PAR6	Source Code	Line
45	ENDM	00	0000							<SYSINI>	56
46	----	00	0000							<SYSINI>	56
47	xper	06	B1A5	001F	001D					Z_ABAP101_BOMBA_OO	9
49	PERP	80	0001							Z_ABAP101_BOMBA_OO	9
50	PERP	80	001E							Z_ABAP101_BOMBA_OO	9
51	----	00	0000							Z_ABAP101_BOMBA_OO	9
52	WHIL	00	0002	0000	0000	0000	0000	0000	0000	Z_ABAP101_BOMBA_OO	36
56	WHIL	00	0003	0000	0000	0000	0000	0000	0000	Z_ABAP101_BOMBA_OO	36
60	BRAN	05	000B							Z_ABAP101_BOMBA_OO	36
61	cmpl	00	00CA	0001	0006					Z_ABAP101_BOMBA_OO	36
63	BRAF	02	0008							Z_ABAP101_BOMBA_OO	36
64	ABOO	00	0000	0020	0001					Z_ABAP101_BOMBA_OO	37
>>>>	MOVE	FF	01DD	0022	0023					Z_ABAP101_BOMBA_OO	38
68	TAPP	00	024B	0021	0020					Z_ABAP101_BOMBA_OO	39
70	BRAX	00	FFF2							Z_ABAP101_BOMBA_OO	40
71	WHIL	00	0004	0000	0000	0000	0000	0000	0000	Z_ABAP101_BOMBA_OO	40
75	----	00	0000							Z_ABAP101_BOMBA_OO	40
76	xper	06	93E3	0024	0025					Z_ABAP101_BOMBA_OO	41
78	PERP	80	0001							Z_ABAP101_BOMBA_OO	41
79	PERP	80	0026							Z_ABAP101_BOMBA_OO	41