
Subject: ***SOLVED*** Cannot allocate memory
Posted by [masood](#) on Mon, 11 Feb 2008 22:33:59 GMT
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This is a fresh install on CentOS 5 x86_64. Only one vps using minimal CentoOS 5 x86_64 template. This error comes up whenever an smtp connection is made to gmail:

```
/var/qmail/bin/qmail-smtpd: error while loading shared libraries: libresolv.so.2: failed to map segment from shared object: Cannot allocate memory
```

Here is strace on qmail-smtpd

```
@4000000047b0cbfb16b262fc rt_sigprocmask(SIG_UNBLOCK, [CHLD], NULL, 8) = 0
@4000000047b0cbfb16b2f76c accept(3, {sa_family=AF_INET, sin_port=htons(44100),
sin_addr=inet_addr("127.0.0.1")}, [4948330099163267088]) = 0
@4000000047b0cc071e371d74 rt_sigprocmask(SIG_BLOCK, [CHLD], NULL, 8) = 0
@4000000047b0cc071e37f064 write(2, "tcpserver: status: 1/20\n", 24tcpserver: status: 1/20
@4000000047b0cc071e384a3c ) = 24
@4000000047b0cc071e38c73c clone(tcpserver: pid 9859 from 127.0.0.1
@4000000047b0cc071e3ca384 tcpserver: ok 9859 0:127.0.0.1:25 :127.0.0.1::44100
@4000000047b0cc071e42642c child_stack=0,
flags=CLONE_CHILD_CLEARPID|CLONE_CHILD_SETTID|SIGCHLD,
child_tidptr=0x2aaaab016770) = 9859
@4000000047b0cc071e426814 close(0) = 0
@4000000047b0cc071e426bfc rt_sigprocmask(SIG_UNBLOCK, [CHLD], NULL, 8) = 0
@4000000047b0cc071e426bfc accept(3, /var/qmail/bin/qmail-smtpd: error while loading shared
libraries: libresolv.so.2: failed to map segment from shared object: Cannot allocate memory
@4000000047b0cc071e484414 0x7fff4ccdf840, [16]) = ? ERESTARTSYS (To be restarted)
@4000000047b0cc071e48c114 --- SIGCHLD (Child exited) @ 0 (0) ---
@4000000047b0cc071e493a2c wait4(-1, [{WIFEXITED(s) && WEXITSTATUS(s) == 127}],
WNOHANG, NULL) = 9859
@4000000047b0cc071e4a1104 write(2, "tcpserver: end 9859 status 32512"... , 33tcpserver: end
9859 status 32512
@4000000047b0cc071e4a6ec4 ) = 33
@4000000047b0cc071e4ad83c write(2, "tcpserver: status: 0/20\n", 24tcpserver: status: 0/20
@4000000047b0cc071e4b3214 ) = 24
@4000000047b0cc071e4b8804 wait4(-1, 0x7fff4ccdf5b8, WNOHANG, NULL) = -1 ECHILD (No
child processes)
@4000000047b0cc071e4c33e4 rt_sigreturn(0xffffffffffffffff) = -1 EINTR (Interrupted system
call)
@4000000047b0cc071e4cd7f4 rt_sigprocmask(SIG_BLOCK, [CHLD], NULL, 8) = 0
@4000000047b0cc071e4d7434 rt_sigprocmask(SIG_UNBLOCK, [CHLD], NULL, 8) = 0
```

```
# uname -rm
```

cat /proc/user_beancounters

Version: 2.5

uid	resource	held	maxheld	barrier	limit	failcnt
201:	kmemsize	5301784	12394869	22980608	22980608	
0	lockedpages	0	0	256	256	0
0	privvmpages	5584	86101	524288	524288	
0	shmpages	640	9616	21504	21504	0
0	dummy	0	0	0	0	0
0	numproc	44	78	440	440	0
0	physpages	2385	58222	0	9223372036854775807	
0	vmguarpages	0	0	524288	9223372036854775807	
0	oomguarpages	2385	58222	524288	9223372036854775807	
0	numtcpsock	7	147	560	560	0
0	numflock	18	25	188	206	0
0	numpty	1	3	16	16	0
0	numsiginfo	0	39	256	256	0
0	tcpsndbuf	89680	636432	1433600	1433600	
0	tcprcvbuf	98304	375472	1433601	1433601	
0	othersockbuf	6960	382000	1433600	1433600	
0	dgramrcvbuf	0	8464	262144	262144	0
0	numothersock	11	27	560	560	0
0	dcachesize	0	0	7415808	7415808	0
0	numfile	752	1475	19312	19312	0
0	dummy	0	0	0	0	0
0	dummy	0	0	0	0	0
0	dummy	0	0	0	0	0
0	numiptent	10	10	1028	1028	0

SOLVED

It turns out the softlimit (<http://cr.yp.to/daemontools/softlimit.html>) setting was too low for qmail-smtpd. Increasing the value in /var/qmail/supervise/qmail-smtpd/run fixed the issue. Nothing to do with openvz :)