Subject: Kernel panics on server and randomly
Posted by angelbulas on Tue, 25 May 2010 20:32:37 GMT
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Hello, I have a problem with my server running openvz, I have 5 containers and I have running centos 5.4 in the main node and centos 5.2 in the containers. I have kernel: 2.6.18-164.15.1.el5.028stab068.9PAE #1 SMP

From time to time, the server crashes with a kernel panic and I have to reboot the main node, I can't attach images but this is one example of the kernel message:

Process MailScanner (pid: 8372, veid:406, ti: f2428000 task.ti: f2428000)
Stack: ...
Call Trace: ...
[<c0461d5b>] free_hot_cold_page +0xe6/0x13a
__pagevec_free
release_pages
free_pages_and_swap_cache
unmap_region
do_munmap
syscall_call
unix_getname
unix_getname
Code: ...
EIP: [<c0438783>] ub_page_uncharge +0x16/0x46 SS:ESP 0068: f2429ebc
Kernel panic not syncing: Fatal exception

This problem occurs randomly, this are the dates of the kernel panics recently:

-august 31 2009
-february 24 2010
-march 1 2010
-march 31 2010
-april 29 2010
-april 30 2010
-may 25 2010

Also, this are the last messages from the kernel in /var/log/messages:

May 25 14:16:06 vz-iv kernel: ========================
May 25 14:18:36 vz-iv kernel: BUG: warning at kernel/ub/ub_page_bc.c:350/pb_dup_ref()
(Tainted: P   )
May 25 14:18:36 vz-iv kernel: [<c043dc25>] pb_dup_ref+0xb1/0xc3
May 25 14:18:36 vz-iv kernel: [<c046c517>] __copy_page_range+0x36a/0x4fe
May 25 14:18:36 vz-iv kernel: [<c04213ec>] copy_process+0xca0/0x13e7

May 25 14:18:36 vz-iv kernel: [<c0421b89>] do_fork_pid+0x56/0x1c5
May 25 14:18:36 vz-iv kernel: [<c047df6d>] get_unused_fd_flags+0x56/0xc4
May 25 14:18:36 vz-iv kernel: [<c047dd1a>] fd_install+0x21/0x51
May 25 14:18:36 vz-iv kernel: [<c0421d0b>] do_fork+0x13/0x17
May 25 14:18:36 vz-iv kernel: [<c040318b>] sys_clone+0x28/0x2d
May 25 14:18:36 vz-iv kernel: [<c06222a7>] syscall_call+0x7/0xb
May 25 14:18:36 vz-iv kernel: [<c062007b>] _spin_trylock_bh+0xd/0x24
May 25 14:18:36 vz-iv kernel: [<c062007b>] _spin_trylock_bh+0xd/0x24
May 25 14:18:36 vz-iv kernel: ======================
May 25 14:18:37 vz-iv kernel: BUG: warning at kernel/ub/ub_page_bc.c:350/pb_dup_ref()
(Tainted: P   )
May 25 14:18:37 vz-iv kernel: [<c043dc25>] pb_dup_ref+0xb1/0xc3
May 25 14:18:37 vz-iv kernel: [<c046c517>] __copy_page_range+0x36a/0x4fe
May 25 14:18:37 vz-iv kernel: [<c04213ec>] copy_process+0xca0/0x13e7
May 25 14:18:37 vz-iv kernel: [<c0421b89>] do_fork_pid+0x56/0x1c5
May 25 14:18:37 vz-iv kernel: [<c047df6d>] get_unused_fd_flags+0x56/0xc4
May 25 14:18:37 vz-iv kernel: [<c047dd1a>] fd_install+0x21/0x51
May 25 14:18:37 vz-iv kernel: [<c0421d0b>] do_fork+0x13/0x17
May 25 14:18:37 vz-iv kernel: [<c040318b>] sys_clone+0x28/0x2d
May 25 14:18:37 vz-iv kernel: [<c06222a7>] syscall_call+0x7/0xb
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(Tainted: P   )
May 25 14:18:38 vz-iv kernel: [<c043dc25>] pb_dup_ref+0xb1/0xc3
May 25 14:18:38 vz-iv kernel: [<c046c517>] __copy_page_range+0x36a/0x4fe
May 25 14:18:38 vz-iv kernel: [<c04213ec>] copy_process+0xca0/0x13e7
May 25 14:18:38 vz-iv kernel: [<c0421b89>] do_fork_pid+0x56/0x1c5
May 25 14:18:38 vz-iv kernel: [<c047df6d>] get_unused_fd_flags+0x56/0xc4
May 25 14:18:38 vz-iv kernel: [<c047dd1a>] fd_install+0x21/0x51
May 25 14:18:38 vz-iv kernel: [<c0421d0b>] do_fork+0x13/0x17
May 25 14:18:38 vz-iv kernel: [<c040318b>] sys_clone+0x28/0x2d
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May 25 14:18:38 vz-iv kernel: BUG: warning at kernel/ub/ub_page_bc.c:350/pb_dup_ref()
(Tainted: P   )
May 25 14:18:38 vz-iv kernel: [<c043dc25>] pb_dup_ref+0xb1/0xc3
May 25 14:18:38 vz-iv kernel: [<c046c517>] __copy_page_range+0x36a/0x4fe
May 25 14:18:38 vz-iv kernel: [<c04213ec>] copy_process+0xca0/0x13e7
May 25 14:18:38 vz-iv kernel: [<c0421b89>] do_fork_pid+0x56/0x1c5
May 25 14:18:38 vz-iv kernel: [<c0621311>] do_page_fault+0x354/0x5e1
May 25 14:18:38 vz-iv kernel: [<c0421d0b>] do_fork+0x13/0x17
May 25 14:18:38 vz-iv kernel: [<c040318b>] sys_clone+0x28/0x2d
May 25 14:18:38 vz-iv kernel: [<c06222a7>] syscall_call+0x7/0xb
May 25 14:18:38 vz-iv kernel: [<c062007b>] _spin_trylock_bh+0xd/0x24

May 25 14:18:38 vz-iv kernel: [<c062007b>] _spin_trylock_bh+0xd/0x24
May 25 14:18:38 vz-iv kernel: ======================
May 25 14:31:04 vz-iv syslogd 1.4.1: restart.
May 25 14:31:04 vz-iv kernel: klogd 1.4.1, log source = /proc/kmsg started.
May 25 14:31:04 vz-iv kernel: Linux version 2.6.18-164.15.1.el5.028stab068.9PAE (root@rhel5-build-x32) (gcc version 4.1.2 20080704 (Red Hat 4.1.2-46)) #1 SMP Tue Mar 30 19:26:53 MSD 2010

If you need more information, you can request it.
Thanks in advance