
Subject: Hung Tasks on NFS (maybe not a OpenVZ Problem) - How to forcefully kill a container ?

Posted by [svensirk](#) on Fri, 30 Mar 2012 11:03:13 GMT

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Hi everyone,

I am running a lot of CTs with their roots located on an nfs share.
Once in a while it happens that a process gets stuck which I fear has something to do with the nfs mount.

See the dmesg out below.

The problem now is that I can't kill this process anymore.

This results into beeing unable to stop the CT running this process.

vzctl stop <CTID> runs into a timeout.

It is totally impossible to kill the process - The only solution is a reboot of the Host-System.

Is there a way to forcefully kill the CT ?

In this case I don't care if the process remains running.

I just want the rest of the CT to be stopped so I can start the CT again.

Here is the dmes output:

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[194043.649945] INFO: task which:810615 blocked for more than 120 seconds.
[194043.650077] "echo 0 > /proc/sys/kernel/hung_task_timeout_secs"
disables this message.
[194043.650274] which      D ffff882f74146d50    0 810615 682640
125 0x000000084
[194043.650281] ffff8825ba732f98 00000000000000086 00000000000000017
ffff8825ba732fc0
[194043.650293] 00000000000000000 00000000000000000 ffff8824d0186d70
00000000000000007
[194043.650301] ffff8825ba732f88 ffff882f74147308 ffff8825ba733fd8
ffff8825ba733fd8
[194043.650308] Call Trace:
[194043.650318] [<ffffffffff81122480>] ? sync_page+0x0/0x50
[194043.650325] [<ffffffffff814e6b73>] io_schedule+0x73/0xc0
[194043.650330] [<ffffffffff811224bd>] sync_page+0x3d/0x50
[194043.650334] [<ffffffffff814e73da>] __wait_on_bit_lock+0x5a/0xc0
[194043.650339] [<ffffffffff81122457>] __lock_page+0x67/0x70
[194043.650345] [<ffffffffff81095550>] ? wake_bit_function+0x0/0x50
[194043.650351] [<ffffffffff8113ac72>] ? pagevec_lookup+0x22/0x30
[194043.650357] [<ffffffffff8113cc8e>] truncate_inode_pages_range+0x43e/0x450
[194043.650397] [<ffffffffffa0314b80>] ? nfs_dq_delete_inode+0x0/0xd0 [nfs]
[194043.650406] [<ffffffffffa03a7c7f>] ? vzquota_data_unlock+0x2f/0x40 [vzquota]
[194043.650421] [<ffffffffffa0314b80>] ? nfs_dq_delete_inode+0x0/0xd0 [nfs]
[194043.650426] [<ffffffffff8113ccb5>] truncate_inode_pages+0x15/0x20
[194043.650441] [<ffffffffffa0314b9f>] nfs_dq_delete_inode+0x1f/0xd0 [nfs]
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[194043.650447] [<ffffff811ac736>] generic_delete_inode+0xd6/0x1c0
[194043.650451] [<ffffff811ac885>] generic_drop_inode+0x65/0x80
[194043.650456] [<ffffff811ab3e2>] iput+0x62/0x70
[194043.650467] [<ffffff8102fa48e>] nfs_dentry_iput+0x3e/0x60 [nfs]
[194043.650472] [<ffffff811a7c1b>] dentry_iput+0x8b/0x110
[194043.650476] [<ffffff811a7d9c>] d_kill+0x3c/0x70
[194043.650480] [<ffffff811a9533>] dput+0xa3/0x1d0
[194043.650485] [<ffffff8119e30a>] path_put+0x1a/0x40
[194043.650497] [<ffffff810301982>] __put_nfs_open_context+0xc2/0xf0 [nfs]
[194043.650510] [<ffffff810301a90>] put_nfs_open_context+0x10/0x20 [nfs]
[194043.650524] [<ffffff810311029>] nfs_commitdata_release+0x29/0x40 [nfs]
[194043.650537] [<ffffff8103116c1>] nfs_commit_release+0x31/0x40 [nfs]
[194043.650564] [<ffffff81029dde7>] rpc_release_calldata+0x17/0x20 [sunrpc]
[194043.650576] [<ffffff81029e090>] rpc_free_task+0x50/0x80 [sunrpc]
[194043.650588] [<ffffff81029e115>] rpc_final_put_task+0x55/0x60 [sunrpc]
[194043.650600] [<ffffff81029e150>] rpc_do_put_task+0x30/0x40 [sunrpc]
[194043.650612] [<ffffff81029e190>] rpc_put_task+0x10/0x20 [sunrpc]
[194043.650626] [<ffffff8103105c1>] nfs_initiate_commit+0x131/0x190 [nfs]
[194043.650640] [<ffffff810311a89>] nfs_commit_inode+0x199/0x250 [nfs]
[194043.650646] [<ffffff8100bb0e>] ? common_interrupt+0xe/0x13
[194043.650658] [<ffffff8102fe426>] nfs_release_page+0x86/0xa0 [nfs]
[194043.650662] [<ffffff81121800>] try_to_release_page+0x30/0x60
[194043.650668] [<ffffff8113fc77>] shrink_page_list+0x817/0x9f0
[194043.650673] [<ffffff81140227>] shrink_inactive_list+0x3d7/0xa40
[194043.650678] [<ffffff81141308>] shrink_zone+0x5d8/0x9d0
[194043.650684] [<ffffff81063c4b>] ? dequeue_task_fair+0x12b/0x130
[194043.650689] [<ffffff8114240d>] __zone_reclaim+0x22d/0x2f0
[194043.650694] [<ffffff8113eb30>] ? isolate_pages_global+0x0/0x520
[194043.650698] [<ffffff811425e7>] zone_reclaim+0x117/0x150
[194043.650703] [<ffffff8113261c>] get_page_from_freelist+0x6ac/0x840
[194043.650709] [<ffffff814e8eab>] ? _spin_unlock_bh+0x1b/0x20
[194043.650714] [<ffffff81125177>] ? mempool_free_slab+0x17/0x20
[194043.650720] [<ffffff81134266>] __alloc_pages_nodemask+0x116/0xb40
[194043.650734] [<ffffff8103148a9>] ? nfs_dq_update_shrink+0x29/0x120 [nfs]
[194043.650739] [<ffffff8112228e>] ? find_get_page+0x1e/0xa0
[194043.650743] [<ffffff81123bbc>] ? filemap_fault+0xfc/0x5d0
[194043.650750] [<ffffff81174e6a>] alloc_pages_vma+0x9a/0x150
[194043.650755] [<ffffff81155a67>] handle_pte_fault+0xa87/0xf60
[194043.650759] [<ffffff81156124>] handle_mm_fault+0x1e4/0x2b0
[194043.650765] [<ffffff811904ea>] ? do_sync_read+0xfa/0x140
[194043.650770] [<ffffff81042aa9>] __do_page_fault+0x139/0x480
[194043.650776] [<ffffff814ebe2e>] do_page_fault+0x3e/0xa0
[194043.650780] [<ffffff814e91d5>] page_fault+0x25/0x30

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many thanks and best regards,

Sirk

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