

Mart,

1. OpenVZ doesn't interfere with storage and we run locally some services using RHEL5(2.6.18) + iscsi internally w/o any problems.
2. If I'm correct, you are using too way old OVZ kernel. plz update.
3. have you used iSCSI packages from Debian etch or compiled/installed anything yourself?

Kirill

Mart van Santen wrote:

> Hello,
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> On one of our servers we are running OpenVZ for some time without any
> problems. But yesterday I started a virtual machine based on a
> iscsi-target, this target is running on opensolaris. After a few hours
> without problems, the system totally collapsed by the cause of some
> ip-conflicts. The machine running openvz was claiming IP-adres space, or
> sending ip-frames with the same source ip as the storage server, and
> because of this, the storage system disabled the network interfaces now
> and then. I don't think this is caused by a bug in openvz, but because
> we are running openiscsi in combination with opensolaris for some time,
> i just want to know if it is possible that openvz interacts with the
> storage/openiscsi layer and some error can raise because of that.
>
> The details:
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> iscsi-target machine:
> intel 64-bit OpenSolaris/SunOS 5.10
> Target is on a zfs volume
>
> open-iscsi:
> version: 2.0-868-test1
> This version because i had some other problems with previous versions
>
> openVZ machine:
>
> kernel: 2.6.18-1-openvz
> patch: 028.18
> platform: intel 64-bit
> os: debian etch
>
> extra sysctl.conf settings on openvz machine:

> net.ipv4.tcp_max_tw_kmem_fraction=384
> net.ipv4.tcp_max_tw_buckets_ub=16536
>
>
> The problems:
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> During the night suddenly ping to our storage server dropped several
> times. This is caused by sunos, because it discovers that an other
> machine is using the same ip, and than disables the network interface
> for some time and after some timeout then tries to recover the
> IP/interface. The mac-addresses in the SunOS log matches with the
> hardware addresses of the openvz machine.
>
> On the OpenVZ machine:
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> Around the same time, the errors at the bottom of this email occurred.
> If the timing of all logfiles is correct, it looks like that these
> errors occurred first, and then the problems with the IP's occurred. I
> wonder if this has to do anything with the interface stack of openvz
> conflicting with the lowlevel access of the interface by open-iscsi.
> Maybe the IP-stack mirrored packets from the solaris machine or
> something like that. On the machine without openvz but nearly the same
> kernel and the same iscsi stack we didn't had any of these problems.
>
> I hope anyone has a good hint. Are other people using iscsi targets for
> storage and is this done on the same interface as the external network
> etc. Are there any ip/tcp system settings where I have to take care of...
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>
> Kind regards,
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>
> Mart van Santen
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> Jan 23 08:30:41 krypton kernel: session0: iscsi: session recovery timed
> out after 120 secs
> Jan 23 08:30:41 krypton kernel: iscsi: cmd 0x28 is not queued (7)
> Jan 23 08:30:41 krypton kernel: sd 1:0:0:0: SCSI error: return code =
> 0x00010000
> Jan 23 08:30:41 krypton kernel: end_request: I/O error, dev sdb, sector
> 4969152
> Jan 23 08:30:41 krypton kernel: iscsi: cmd 0x28 is not queued (7)
> Jan 23 08:30:41 krypton kernel: sd 1:0:0:0: SCSI error: return code =
> 0x00010000
> Jan 23 08:30:41 krypton kernel: end_request: I/O error, dev sdb, sector
> 4969152

> Jan 23 08:30:41 krypton kernel: iscsi: cmd 0x2a is not queued (7)
> Jan 23 08:30:41 krypton last message repeated 6 times
> Jan 23 08:30:41 krypton kernel: sd 1:0:0:0: SCSI error: return code =
> 0x00010000
> Jan 23 08:30:41 krypton kernel: end_request: I/O error, dev sdb, sector
> 37901744
> Jan 23 08:30:41 krypton kernel: sd 1:0:0:0: SCSI error: return code =
> 0x00010000
> Jan 23 08:30:41 krypton kernel: end_request: I/O error, dev sdb, sector
> 38917752
> Jan 23 08:30:41 krypton kernel: sd 1:0:0:0: SCSI error: return code =
> 0x00010000
> Jan 23 08:30:41 krypton kernel: end_request: I/O error, dev sdb, sector
> 38918128
> Jan 23 08:30:41 krypton kernel: sd 1:0:0:0: SCSI error: return code =
> 0x00010000
> Jan 23 08:30:41 krypton kernel: end_request: I/O error, dev sdb, sector
> 3543176
> Jan 23 08:30:41 krypton kernel: sd 1:0:0:0: SCSI error: return code =
> 0x00010000
> Jan 23 08:30:41 krypton kernel: printk: 18 messages suppressed.
> Jan 23 08:30:41 krypton kernel: Buffer I/O error on device sdb1, logical
> block 4864715
> Jan 23 08:30:41 krypton kernel: lost page write due to I/O error on sdb1
> Jan 23 08:30:41 krypton kernel: Buffer I/O error on device sdb1, logical
> block 4864762
> Jan 23 08:30:41 krypton kernel: lost page write due to I/O error on sdb1
> Jan 23 08:30:41 krypton kernel: end_request: I/O error, dev sdb, sector
> 36712096
> Jan 23 08:30:41 krypton kernel: sd 1:0:0:0: SCSI error: return code =
> 0x00010000
> Jan 23 08:30:41 krypton kernel: end_request: I/O error, dev sdb, sector
> 4676184
> Jan 23 08:30:41 krypton kernel: sd 1:0:0:0: SCSI error: return code =
> 0x00010000
> Jan 23 08:30:41 krypton kernel: end_request: I/O error, dev sdb, sector
> 4676432
> Jan 23 08:30:41 krypton kernel: Buffer I/O error on device sdb1, logical
> block 584519
> Jan 23 08:30:41 krypton kernel: lost page write due to I/O error on sdb1
> Jan 23 08:30:41 krypton kernel: Buffer I/O error on device sdb1, logical
> block 584550
> Jan 23 08:30:41 krypton kernel: lost page write due to I/O error on sdb1
> Jan 23 08:30:41 krypton kernel: I/O error in filesystem ("sdb1")
> meta-data dev sdb1 block 0x2302e80 ("xfs_trans_read_buf") error 5
> buf count 8192
> Jan 23 08:30:42 krypton kernel: iscsi: cmd 0x2a is not queued (7)
> Jan 23 08:30:42 krypton last message repeated 4 times

> Jan 23 08:30:42 krypton kernel: sd 1:0:0:0: SCSI error: return code =
> 0x00010000
> Jan 23 08:30:42 krypton kernel: end_request: I/O error, dev sdb, sector
> 36712096
> Jan 23 08:30:42 krypton kernel: sd 1:0:0:0: SCSI error: return code =
> 0x00010000
> Jan 23 08:30:42 krypton kernel: end_request: I/O error, dev sdb, sector
> 38917752
> Jan 23 08:30:42 krypton kernel: sd 1:0:0:0: SCSI error: return code =
> 0x00010000
> Jan 23 08:30:42 krypton kernel: end_request: I/O error, dev sdb, sector
> 3543176
> Jan 23 08:30:42 krypton kernel: sd 1:0:0:0: SCSI error: return code =
> 0x00010000
> Jan 23 08:30:42 krypton kernel: end_request: I/O error, dev sdb, sector
> 37901744
> Jan 23 08:30:42 krypton kernel: sd 1:0:0:0: SCSI error: return code =
> 0x00010000
> Jan 23 08:30:42 krypton kernel: end_request: I/O error, dev sdb, sector
> 38918136
> Jan 23 08:30:42 krypton kernel: Buffer I/O error on device sdb1, logical
> block 4864715
> Jan 23 08:30:42 krypton kernel: lost page write due to I/O error on sdb1
> Jan 23 08:30:42 krypton kernel: Buffer I/O error on device sdb1, logical
> block 4864763
> Jan 23 08:30:42 krypton kernel: lost page write due to I/O error on sdb1
> Jan 23 08:31:18 krypton kernel: iscsi: cmd 0x2a is not queued (7)
> Jan 23 08:31:18 krypton kernel: iscsi: cmd 0x2a is not queued (7)
> Jan 23 08:31:18 krypton kernel: sd 1:0:0:0: SCSI error: return code =
> 0x00010000
> Jan 23 08:31:18 krypton kernel: end_request: I/O error, dev sdb, sector
> 37901744
> Jan 23 08:31:18 krypton kernel: sd 1:0:0:0: SCSI error: return code =
> 0x00010000
> Jan 23 08:31:18 krypton kernel: end_request: I/O error, dev sdb, sector
> 38918136
> Jan 23 08:31:18 krypton kernel: Buffer I/O error on device sdb1, logical
> block 4864763
> Jan 23 08:31:18 krypton kernel: lost page write due to I/O error on sdb1
> Jan 23 08:31:20 krypton kernel: iscsi: cmd 0x28 is not queued (7)
> Jan 23 08:31:20 krypton kernel: sd 1:0:0:0: SCSI error: return code =
> 0x00010000
> Jan 23 08:31:20 krypton kernel: end_request: I/O error, dev sdb, sector
> 4701032
> Jan 23 08:31:20 krypton kernel: iscsi: cmd 0x28 is not queued (7)
> Jan 23 08:31:20 krypton kernel: sd 1:0:0:0: SCSI error: return code =
> 0x00010000
> Jan 23 08:31:20 krypton kernel: end_request: I/O error, dev sdb, sector

> 4701032
> Jan 23 08:31:20 krypton kernel: iscsi: cmd 0x28 is not queued (7)
> Jan 23 08:31:20 krypton kernel: sd 1:0:0:0: SCSI error: return code =
> 0x00010000
> Jan 23 08:31:20 krypton kernel: end_request: I/O error, dev sdb, sector
> 4979496
> Jan 23 08:31:20 krypton kernel: iscsi: cmd 0x28 is not queued (7)
> Jan 23 08:31:20 krypton kernel: sd 1:0:0:0: SCSI error: return code =
> 0x00010000
> Jan 23 08:31:20 krypton kernel: end_request: I/O error, dev sdb, sector
> 4979496
> Jan 23 08:31:28 krypton kernel: iscsi: cmd 0x2a is not queued (7)
> Jan 23 08:31:28 krypton kernel: iscsi: cmd 0x2a is not queued (7)
> Jan 23 08:31:28 krypton kernel: sd 1:0:0:0: SCSI error: return code =
> 0x00010000
> Jan 23 08:31:28 krypton kernel: end_request: I/O error, dev sdb, sector
> 36712096
> Jan 23 08:31:28 krypton kernel: sd 1:0:0:0: SCSI error: return code =
> 0x00010000
> Jan 23 08:31:28 krypton kernel: end_request: I/O error, dev sdb, sector
> 38917752
> Jan 23 08:31:28 krypton kernel: Buffer I/O error on device sdb1, logical
> block 4864715
> Jan 23 08:31:28 krypton kernel: lost page write due to I/O error on sdb1
> Jan 23 08:31:38 krypton kernel: iscsi: cmd 0x2a is not queued (7)
> Jan 23 08:31:38 krypton kernel: iscsi: cmd 0x2a is not queued (7)
> Jan 23 08:31:38 krypton kernel: sd 1:0:0:0: SCSI error: return code =
> 0x00010000
> Jan 23 08:31:38 krypton kernel: end_request: I/O error, dev sdb, sector
> 5032176
> Jan 23 08:31:38 krypton kernel: sd 1:0:0:0: SCSI error: return code =
> 0x00010000
> Jan 23 08:31:38 krypton kernel: Buffer I/O error on device sdb1, logical
> block 629018
> Jan 23 08:31:38 krypton kernel: lost page write due to I/O error on sdb1
> Jan 23 08:31:38 krypton kernel: end_request: I/O error, dev sdb, sector
> 3543176
> Jan 23 08:31:53 krypton kernel: iscsi: cmd 0x2a is not queued (7)
> Jan 23 08:31:53 krypton kernel: iscsi: cmd 0x2a is not queued (7)
> Jan 23 08:31:53 krypton kernel: sd 1:0:0:0: SCSI error: return code =
> 0x00010000
> Jan 23 08:31:53 krypton kernel: end_request: I/O error, dev sdb, sector
> 37901744
> Jan 23 08:31:53 krypton kernel: sd 1:0:0:0: SCSI error: return code =
> 0x00010000
> Jan 23 08:31:53 krypton kernel: end_request: I/O error, dev sdb, sector
> 38918136
> Jan 23 08:31:53 krypton kernel: Buffer I/O error on device sdb1, logical

> block 4864763
> Jan 23 08:31:53 krypton kernel: lost page write due to I/O error on sdb1
> Jan 23 08:32:08 krypton kernel: iscsi: cmd 0x2a is not queued (7)
> Jan 23 08:32:08 krypton kernel: iscsi: cmd 0x2a is not queued (7)
> Jan 23 08:32:08 krypton kernel: sd 1:0:0:0: SCSI error: return code =
> 0x00010000
> Jan 23 08:32:08 krypton kernel: end_request: I/O error, dev sdb, sector
> 38917752
> Jan 23 08:32:08 krypton kernel: Buffer I/O error on device sdb1, logical
> block 4864715
> Jan 23 08:32:08 krypton kernel: lost page write due to I/O error on sdb1
> Jan 23 08:32:08 krypton kernel: sd 1:0:0:0: SCSI error: return code =
> 0x00010000
> Jan 23 08:32:08 krypton kernel: end_request: I/O error, dev sdb, sector
> 36712096
> Jan 23 08:32:09 krypton kernel: iscsi: cmd 0x28 is not queued (7)
> Jan 23 08:32:09 krypton kernel: sd 1:0:0:0: SCSI error: return code =
> 0x00010000
> Jan 23 08:32:09 krypton kernel: end_request: I/O error, dev sdb, sector
> 4836888
> Jan 23 08:32:09 krypton kernel: iscsi: cmd 0x28 is not queued (7)
> Jan 23 08:32:09 krypton kernel: sd 1:0:0:0: SCSI error: return code =
> 0x00010000
> Jan 23 08:32:09 krypton kernel: end_request: I/O error, dev sdb, sector
> 4836888
> Jan 23 08:32:41 krypton kernel: iscsi: cmd 0x28 is not queued (7)
> Jan 23 08:32:41 krypton kernel: sd 1:0:0:0: SCSI error: return code =
> 0x00010000
> Jan 23 08:32:41 krypton kernel: end_request: I/O error, dev sdb, sector
> 4702944
> Jan 23 08:32:41 krypton kernel: iscsi: cmd 0x28 is not queued (7)
> Jan 23 08:32:41 krypton kernel: sd 1:0:0:0: SCSI error: return code =
> 0x00010000
> Jan 23 08:32:41 krypton kernel: end_request: I/O error, dev sdb, sector
> 4702944
> Jan 23 08:32:41 krypton kernel: iscsi: cmd 0x28 is not queued (7)
> Jan 23 08:32:41 krypton kernel: iscsi: cmd 0x28 is not queued (7)
> Jan 23 08:32:41 krypton kernel: sd 1:0:0:0: SCSI error: return code =
> 0x00010000
> Jan 23 08:32:41 krypton kernel: sd 1:0:0:0: SCSI error: return code =
> 0x00010000
> Jan 23 08:32:41 krypton kernel: end_request: I/O error, dev sdb, sector
> 21082064
> Jan 23 08:32:41 krypton kernel: end_request: I/O error, dev sdb, sector
> 23605192
> Jan 23 08:32:41 krypton kernel: iscsi: cmd 0x28 is not queued (7)
> Jan 23 08:32:41 krypton kernel: sd 1:0:0:0: SCSI error: return code =
> 0x00010000

> Jan 23 08:32:41 krypton kernel: end_request: I/O error, dev sdb, sector
> 21082064
> Jan 23 08:32:41 krypton kernel: iscsi: cmd 0x28 is not queued (7)
> Jan 23 08:32:41 krypton kernel: iscsi: cmd 0x28 is not queued (7)
> Jan 23 08:32:41 krypton kernel: sd 1:0:0:0: SCSI error: return code =
> 0x00010000
> Jan 23 08:32:41 krypton kernel: end_request: I/O error, dev sdb, sector
> 23605192
> Jan 23 08:32:41 krypton kernel: sd 1:0:0:0: SCSI error: return code =
> 0x00010000
> Jan 23 08:32:41 krypton kernel: end_request: I/O error, dev sdb, sector
> 21082064
> Jan 23 08:32:41 krypton kernel: iscsi: cmd 0x28 is not queued (7)
> Jan 23 08:32:41 krypton last message repeated 3 times
> Jan 23 08:32:41 krypton kernel: sd 1:0:0:0: SCSI error: return code =
> 0x00010000
> Jan 23 08:32:41 krypton kernel: end_request: I/O error, dev sdb, sector
> 34091344
> Jan 23 08:32:41 krypton kernel: sd 1:0:0:0: SCSI error: return code =
> 0x00010000
> Jan 23 08:32:41 krypton kernel: end_request: I/O error, dev sdb, sector
> 34091448
> Jan 23 08:32:41 krypton kernel: sd 1:0:0:0: SCSI error: return code =
> 0x00010000
> Jan 23 08:32:41 krypton kernel: end_request: I/O error, dev sdb, sector
> 34091496
> Jan 23 08:32:41 krypton kernel: sd 1:0:0:0: SCSI error: return code =
> 0x00010000
> Jan 23 08:32:41 krypton kernel: end_request: I/O error, dev sdb, sector
> 34091528
> Jan 23 08:32:41 krypton kernel: iscsi: cmd 0x28 is not queued (7)
> Jan 23 08:32:41 krypton kernel: sd 1:0:0:0: SCSI error: return code =
> 0x00010000
> Jan 23 08:32:41 krypton kernel: end_request: I/O error, dev sdb, sector
> 34091448
> Jan 23 08:32:41 krypton kernel: iscsi: cmd 0x28 is not queued (7)
> Jan 23 08:32:41 krypton kernel: sd 1:0:0:0: SCSI error: return code =
> 0x00010000
> Jan 23 08:32:41 krypton kernel: end_request: I/O error, dev sdb, sector
> 34091448
> Jan 23 08:32:41 krypton kernel: iscsi: cmd 0x28 is not queued (7)
> Jan 23 08:32:41 krypton kernel: sd 1:0:0:0: SCSI error: return code =
> 0x00010000
> Jan 23 08:32:41 krypton kernel: end_request: I/O error, dev sdb, sector
> 23592920
> Jan 23 08:32:41 krypton kernel: I/O error in filesystem ("sdb1")
> meta-data dev sdb1 block 0x167ffb9 ("xfs_trans_read_buf") error 5
> buf count 512

> Jan 23 08:32:41 krypton kernel: xfs_force_shutdown(sdb1,0x1) called from
> line 4267 of file fs/xfs/xfs_bmap.c. Return address = 0xffffffff881ad44f
> Jan 23 08:32:41 krypton kernel: iscsi: cmd 0x2a is not queued (7)
> Jan 23 08:32:41 krypton kernel: sd 1:0:0:0: SCSI error: return code =
> 0x00010000
> Jan 23 08:32:41 krypton kernel: end_request: I/O error, dev sdb, sector
> 20978289
> Jan 23 08:32:41 krypton kernel: I/O error in filesystem ("sdb1")
> meta-data dev sdb1 block 0x1401a51 ("xlog_iodone") error 5 buf
> count 1024
> Jan 23 08:32:41 krypton kernel: xfs_force_shutdown(sdb1,0x2) called from
> line 956 of file fs/xfs/xfs_log.c. Return address = 0xffffffff881d09d1
> Jan 23 08:32:41 krypton kernel: Filesystem "sdb1": Log I/O Error
> Detected. Shutting down filesystem: sdb1
>
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