✕ PROXMOX

[SOLVED] Proxmox 7.1-4- migration aborted: no such logical volume pve/data

mrE · Nov 20, 2021 · 🏷 migration aborted   no such logical volume pve/data

🏠 › Forums › Proxmox Virtual Environment › **Proxmox VE: Installation and configuration**

Nov 20, 2021   ⟨ #1

Grettings,

I broke my own rule and jump on the recent update and it hit me in the face:
I have a cluster with 3 Proxmox servers (pmx1 & pmx3; pmx2 used just for quorum)

The sequence used to upgrade was:

1. I upgrade pmx2 (the one just for quorum, it doesn't run any vm) and reboot
2. Migrate all vms from pmx1 -> pmx3, upgrade pmx1 and reboot
3. Migrate al from pmx3 -> pmx1, without any issue, then I upgrade pmx3 and reboot

(I have attached 2 files with the logs of pmx1, pmx3)
Now I have this in the cluster

I use a Synology NAS as network storage with NFS shared folders

This is the cluster storage

mrE
Renowned Member

Code:

```
Now I try to migrate some VMs/CTs from pmx1 -> pm3 and this error occurs an
2021-11-20 01:32:38 starting migration of CT 206 to node 'pmx1' (192.168.16.
2021-11-20 01:32:38 ERROR: no such logical volume pve/data at /usr/share/per
2021-11-20 01:32:38 aborting phase 1 - cleanup resources
2021-11-20 01:32:38 start final cleanup
2021-11-20 01:32:38 ERROR: migration aborted (duration 00:00:00): no such lo
TASK ERROR: migration aborted
```

The same occurs if I try to migrate some CT from pmx1 -> pm2:

Code:

```
2021-11-20 01:38:13 shutdown CT 201
2021-11-20 01:38:16 starting migration of CT 201 to node 'pmx2' (192.168.16.
2021-11-20 01:38:16 ERROR: no such logical volume pve/data at /usr/share/per
2021-11-20 01:38:16 aborting phase 1 - cleanup resources
2021-11-20 01:38:16 start final cleanup
2021-11-20 01:38:16 start container on source node
2021-11-20 01:38:18 ERROR: migration aborted (duration 00:00:05): no such lo
TASK ERROR: migration aborted
```

If I try to migrate from pmx3 -> pmx1 a CT that is offline the error persists:

Code:

```
2021-11-20 01:44:51 starting migration of CT 206 to node 'pmx1' (192.168.16.
2021-11-20 01:44:51 ERROR: no such logical volume pve/data at /usr/share/per
2021-11-20 01:44:51 aborting phase 1 - cleanup resources
2021-11-20 01:44:51 start final cleanup
2021-11-20 01:44:51 ERROR: migration aborted (duration 00:00:00): no such lo
TASK ERROR: migration aborted
```

This is what df shows in pmx1, pmx3 (IP 192.168.16.11 is another NAS that was used some weeks ago, the new nas and final is 192.168.16.10)
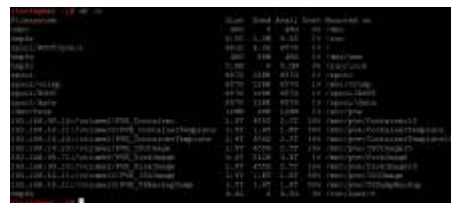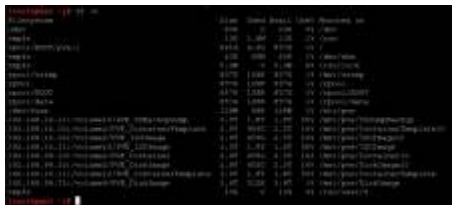
At this moment (11am), staff is working on VMs and I can't restart PMX1.
Thank you for your help.

Regards

Attachments

pmx1-log-edited.txt   pmx3-log-edited.txt

Looks like I won't be spared from reinstalling my 3 servers and recreating my cluster.

Luckily, by having a PBS and recent backups this may be "simple".

Even luckier: I took a chance and restarted my server running the VM/CTs... and they all started.

mrE
Renowned Member

Nov 29, 2021   #3

With no solution, the only workaround was to reinstall my cluster.

This time I was careful to reinstall each Proxmox with an 8GB Swap partition.

I recommend having a Proxmox Backup Server installed on your cluster; PBS is a lifesaver and is quick to restore backups.
+1 for PBS.

Edit / 2021.12.13:
A possible solution to my problem would have been with @Fabian_E 's comment that @mlanner has confirmed. But now already reinstalled I can't corroborate it on my cluster.

Thanks for the responses!

mrE
Renowned Member

Last edited: Dec 13, 2021

M

mlanner
Renowned Member

⌄

Dec 7, 2021   ⤴ #4

@mrE

It doesn't make sense to me that you marked this as "SOLVED". It appears that you were able to migrate VMs/CTs between nodes perfectly fine before the upgrade, but after the upgrade the functionality is no longer there. Having backups of everything is obviously good, but it's far from a solution to the problem you encountered. It's a disaster recovery tactic. I ended up finding your post as I ran into the same issue and was hopeful that "SOLVED" actually would solve my problem. Reinstalling my cluster might get me to a point where things are working again, but without truly understanding what's going on here and why it suddenly stopped working after an upgrade, I'd be inclined to consider this a bug.

Perhaps some PVE developer can chime in here with some input?

@t.lamprecht You seem to have been busy looking into various issues reported as part of the 7.1 release announcement. Do you happen to have any comments or insights on this problem?

M

mlanner
Renowned Member

⌄

Dec 7, 2021   ⤴ #5

Also, for what it's worth, it appears the servers in the screenshot above are using ZFS for the boot disks. I have the same in a mirror-0 config.

fiona
Proxmox Staff Member

Staff member

⌄

Dec 7, 2021   ⤴ #6

Hi,
the issue comes from an enabled `local-lvm` storage, which doesn't actually exist, i.e. no logical volume `pve/data`. Simply disable/remove that storage (or restrict it to the nodes that actually have it).

Best regards,
Fiona

Do you already have a Commercial Support Subscription? - If not, Buy now and read the documentation

    mrE

M

mlanner
Renowned Member

Dec 7, 2021   ⤴ #7

Thanks @Fabian_E , that makes sense. I did disable it on all my nodes and migration does indeed work now. What I'm curious about is why and how it could and used to work in previous versions of PVE? Maybe it was a "bug" in earlier releases? It just came as a surprise that it suddenly didn't work.

fiona
Proxmox Staff Member

Staff member

Dec 9, 2021   #8

> mlanner said: ↩
>
> Thanks @Fabian_E , that makes sense. I did disable it on all my nodes and migration does indeed work now. What I'm curious about is why and how it could and used to work in previous versions of PVE? Maybe it was a "bug" in earlier releases? It just came as a surprise that it suddenly didn't work.

The check for LVM-thin storages is new in version 7.1. Previously, it was just assumed that they are always active, but they might not be.

Best regards,
Fiona

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 mrE

Defaultmox
New Member

Dec 16, 2021   #9

> Fabian_E said: ↩
>
> Hi,
> the issue comes from an enabled `local-lvm` storage, which doesn't actually exist, i.e. no logical volume `pve/data` . Simply disable/remove that storage (or restrict it to the nodes that actually have it).

I encontered the same issue but it apeared when i was trying to add the sata ports, as a pci device, to the vm. And in my case there is no local-lvm storage that actually don't exist. Any idea of what could solve it?

Last edited: Dec 16, 2021

fiona
Proxmox Staff Member

Staff member

Dec 16, 2021   #10

Hi,

> Defaultmox said: ↩
>
> I encontered the same issue but it apeared when i was trying to add the sata ports, as a pci device, to the vm. And in my case there is no local-lvm storage that actually don't exist. Any idea of what could solve it?

what exactly is the error message you get and what is the command/action that triggers it? If it's migration (or another task), please provide the full task log. Please provide the output of `pveversion -v` .

Best regards,
Fiona

Do you already have a Commercial Support Subscription? - If not, Buy now and read the documentation

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D

Defaultmox
New Member

ˇ

Dec 16, 2021   ⟨ #11
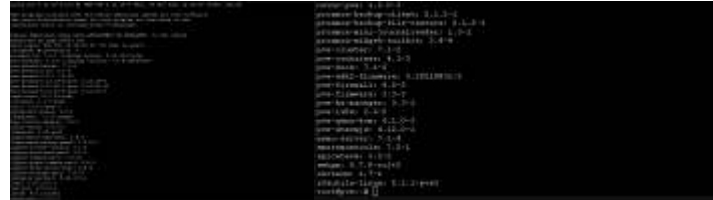
> Fabian_E said: ↰
>
> Hi,
>
> what exactly is the error message you get and what is the command/action that triggers it? If it's migration (or another task), please provide the full task log. Please provide the output of `pveversion -v`.

I use the command qm start and with the sata ports assingned as a pci device on the vm it displays this error message: no such logical volume pve/data at /usr/share/perl5/PVE/Storage/LvmThinPlugin.pm line 219.

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fiona
Proxmox Staff Member

Staff member

ˇ

Dec 16, 2021   ⟨ #12

What is the output of `lvs`? Your VM references two volumes on `local-lvm` and those should be part of the default thin pool `pve/data`.

Best regards,
Fiona

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> Defaultmox

D

Defaultmox
New Member

⌄

Dec 16, 2021   ⬚   #13

> Fabian_E said: ↶
>
> What is the output of `lvs` ? Your VM references two volumes on `local-lvm`
> and those should be part of the default thin pool `pve/data` .

One is the EFI and the other is a partition of the storage where the sistem of
the vm is installed. The disk is partitioned in three and proxmox is installed in
it.

Attachments

No	TOSHIBA_DT01ACA050
Yes	KINGSTON_SV300S37A
Yes	
Yes	
Yes	

Opera Instantâneo_2021-12-16_...

D

Defaultmox
New Member

⌄

Dec 17, 2021   ⬚   #14

I don`t know if it could be related but the sata ports aren`t alone at the group.
I`ve already used pcie_acs_override=downstream,multifunction but it didn't
separate. Sorry, but I`m new at this my intent was to enable the sata ports so
that i could freely swipe my disks with the fisical machines when necessary
and in a plug and play way. What did i do something wrong or is this not
suported?

Attachments
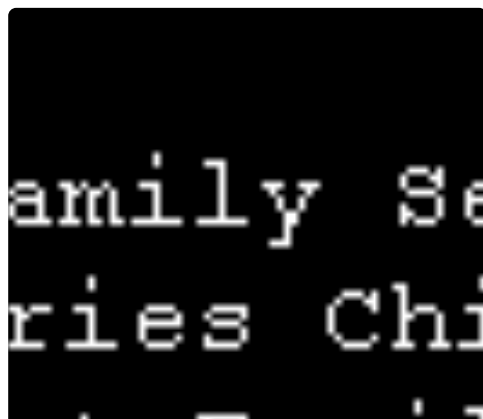
IOMMU.png

fiona
Proxmox Staff Member

Staff member

ˇ

Dec 17, 2021   ⤙ #15

Did you already try to follow this article? Or as an easier alternative, you could also attach the disk by adding, e.g. `sata0: /dev/sda` (or using the more stable `/dev/disk/by-id/XYZ` path) to your VM config.

Best regards,
Fiona

Do you already have a Commercial Support Subscription? - If not, Buy now and read the documentation

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D

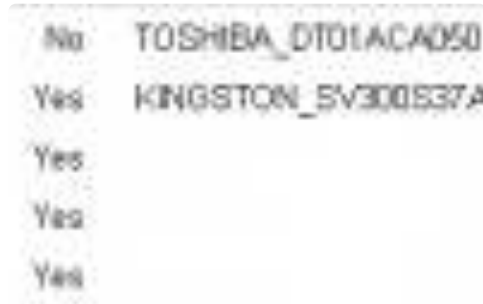**Defaultmox**
New Member

ˇ

Dec 17, 2021   ⤙ #16

If i attach the disk making it a storage on the pve by creating a lvm thin pool will the data still be accessible by other devices or will it be only usable on vm on proxmox?

J

jameswang
New Member

ˇ

May 24, 2022   ⤙ #17

I ran into the same problem. In my case, it's a lvmthin I created called hd8thin. Commented it out of the /etc/pve/storage.cfg and was able to migrate VMs back to the node.

#lvmthin: hd8thin
thinpool hd8thin
vgname hd8t
content images,rootdir

`# lvs`

LV	VG	Attr	LSize	Pool	Origin	Data%	Meta%	Move	Log
`Cpy%Sync Convert`									
hd8thin	hd8t	twi-aotz--	<7.28t			7.45	13.92		
hd8tvz	hd8t	Vwi-aotz--	7.27t	hd8thin		7.45			
data	pve	twi-aotz--	<680.61g			0.00	0.27		
root	pve	-wi-ao----	200.00g						
swap	pve	-wi-ao----	16.00g						

I am new to lvm thin pool. I need to read more documents to full understand it. You are welcome to lecture me

---

fiona
Proxmox Staff Member

May 25, 2022   ⤙ #18

Hi,

> jameswang said: ↩

Staff member

⌄

> I ran into the same problem. In my case, it's a lvmthin I created called hd8thin. Commented it out of the /etc/pve/storage.cfg and was able to migrate VMs back to the node.
>
> #lvmthin: hd8thin

Click to expand...

is the storage available on all nodes? Otherwise, you should reflect this in your storage configuration. Can be done in the UI or with:

Code:

```
pvesm set hd8thin --nodes <list of nodes where it's actually available>
```

Best regards,
Fiona

Do you already have a Commercial Support Subscription? - If not, Buy now and read the documentation

---

J

jameswang
New Member

⌄

May 25, 2022   ⤴ #19

> Fabian_E said: ↩
>
> Hi,
>
> is the storage available on all nodes? Otherwise, you should reflect this in your storage configuration. Can be done in the UI or with:

Click to expand...

Hi Fabian,

Yes, hd8thin is local on the target node. I ran the command and now I was able to migrate VMs to the nodes with the storage available.

Thank you!

James

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