

[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



mrE

Renowned Member



Nov 20, 2021

🔗 #1

Greetings,

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

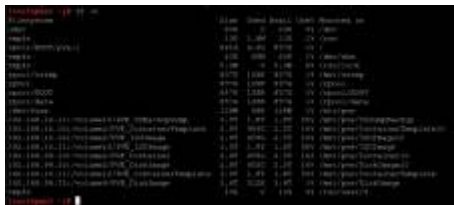


I use a Synology NAS as network storage with NFS shared folders

Time	User	Client Name and IP*	Connection Type	Resource
11/19/2021 23:12:07	-	192.168.16.61	NFS	PVE_ContainerTemplate, PVE_ISOImage
11/19/2021 23:04:21	-	192.168.16.62	NFS	PVE_ContainerTemplate, PVE_ISOImage
11/19/2021 23:05:43	-	192.168.16.63	NFS	PVE_ContainerTemplate, PVE_ISOImage
11/19/2021 23:12:07	-	192.168.16.61	NFS	PVE_Container, PVE_DiskImage, PVE_ISOImage
11/19/2021 23:04:20	-	192.168.16.62	NFS	PVE_Container, PVE_DiskImage, PVE_ISOImage
11/19/2021 23:05:43	-	192.168.16.63	NFS	PVE_Container, PVE_DiskImage, PVE_ISOImage

This is the cluster storage

id	Type	Content	Path/Target	Storage	Quorum	Shared
Container	NFS	Container	BackupContainer	Yes	No	
Container19	NFS	Container	BackupContainer19	Yes	Yes	
ContainerTemplate	NFS	Container template	BackupContainerTemplate	Yes	Yes	
ContainerTemplate19	NFS	Container template	BackupContainerTemplate19	Yes	Yes	
DiskImage	NFS	Disk image	BackupDiskImage	Yes	Yes	
DiskImage19	NFS	Disk image	BackupDiskImage19	Yes	Yes	
ISOImage	NFS	ISO image	BackupISOImage	Yes	Yes	
ISOImage19	NFS	ISO image	BackupISOImage19	Yes	Yes	
PRG	Proxmox Backup	v2 backup backup file		Yes	Yes	
V2ContainerBackup	NFS	v2 backup backup file	BackupV2ContainerBackup	Yes	Yes	
local	Directory	v2 backup backup file, Disk image, ISO image, Container template	localdisk	No	Yes	
localpve	zfs	Disk image, Container		No	Yes	



At this moment (11am), staff is working on VMs and I can't restart PMX1.
Thank you for your help.

Regards

Attachments



Looks like I won't be spared from reinstalling my 3 servers and recreating my cluster.
pamx1-log-edited.txt pamx3-log-edited.txt

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



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!

Last edited: Dec 13, 2021

**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?

**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










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[mrE](#)**mlanner**

Renowned Member

Dec 7, 2021

#7

<div><div>▼</div><div></div><div>fiona</div><div>Proxmox Staff Member</div><div>Staff member</div><div>▼</div></div>	<div>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.  #8</div> <div><div>mlanner said: </div><div>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.</div></div> <div>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.</div> <div>Best regards, Fiona</div> <div>Do you already have a Commercial Support Subscription? - If not, Buy now and read the documentation</div> <div>mrE</div>
<div><div></div><div>Defaultmox</div><div>New Member</div><div>▼</div></div>	<div>Dec 16, 2021  #9</div> <div><div>Fabian_E said: </div><div>Hi, the issue comes from an enabled <code>local-lvm</code> storage, which doesn't actually exist, i.e. no logical volume <code>pve/data</code> . Simply disable/remove that storage (or restrict it to the nodes that actually have it).</div></div> <div>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?</div> <div>Last edited: Dec 16, 2021</div>
<div><div></div><div>fiona</div><div>Proxmox Staff Member</div><div>Staff member</div><div>▼</div></div>	<div>Dec 16, 2021  #10</div> <div>Hi,</div> <div><div>Defaultmox said: </div><div>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?</div></div> <div>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 <code>pveversion -v</code> .</div>

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Defaultmox

New Member



Dec 16, 2021

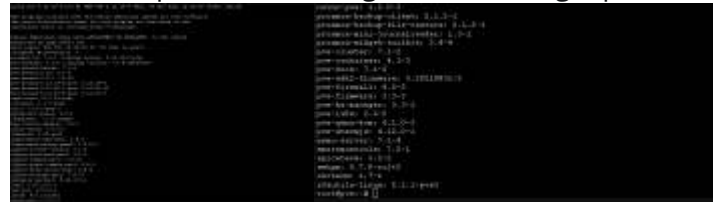
 #11

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 assigned 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.



The screenshot shows the Windows Task Manager 'Processes' tab. The 'System Idle Process' is highlighted with a red circle. The list of processes includes:

- System Idle Process (0% CPU)
- System (0% CPU)
- smss.exe (0% CPU)
- csrss.exe (0% CPU)
- explorer.exe (0% CPU)
- System Idle Process (0% CPU)
- System (0% CPU)
- smss.exe (0% CPU)
- csrss.exe (0% CPU)
- explorer.exe (0% CPU)
- System Idle Process (0% CPU)
- System (0% CPU)
- smss.exe (0% CPU)
- csrss.exe (0% CPU)
- explorer.exe (0% CPU)

9000 00 14 0	2	Intel Corporation	8 SeriesC200 Series Chipset Family USB xHCI	No
9000 00 16 0	3	Intel Corporation	8 SeriesC200 Series Chipset Family MEI Controller #1	No
9000 00 14 4	4	Intel Corporation	8 SeriesC200 Series Chipset Family USB EHCI x2	No
9000 00 19 0	5	Intel Corporation	8 SeriesC200 Series Chipset High Definition Audio Controller	No
9000 00 14 7	7	Intel Corporation	8 SeriesC200 Series Chipset Family USB xHCI #1	No
9000 00 12 8	8	Intel Corporation	8 SeriesC200 Series Chipset Family 6-port SATA Controller 1 [AHCI]	No
9000 00 11 0	8	Intel Corporation	8 SeriesC200 Series Chipset Family SMBus Controller	No
9000 00 00 0	9	Advanced Micro D.	Electronic (Redbox PCI 4740B547D570569590D0588)	No
9000 00 00 0	10	Advanced Micro D.	Electronic HDMI Audio (Redbox PCI 4740B547D570569590D0588)	No
9000 00 00 0	11	Realtek Semicond.	RTL8102E PCI Express Fast Ethernet controller	No



fiona

Proxmox Staff Member

Staff member



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



Defaultmox
New Member



Dec 16, 2021

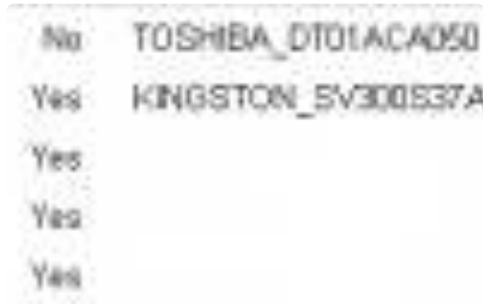
#13

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



Opera Instantâneo_2021-12-16_...



Defaultmox
New Member

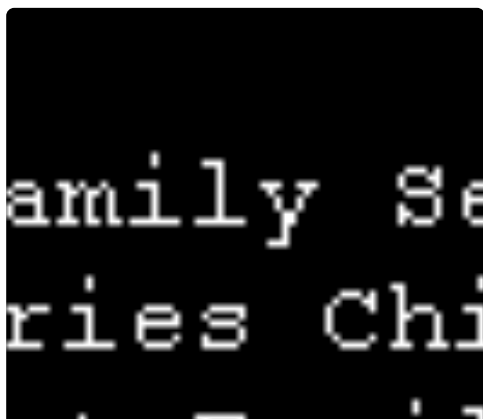


Dec 17, 2021

#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



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

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Defaultmox

New Member



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?



jameswang

New Member



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](#)



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

[You must log in or register to reply here.](#)

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