

FreeNAS - Bug #23199

vm_page kernel panics when rsyncing or copying

04/07/2017 05:53 PM - Scott Finlon

Status:	Closed: User Config Issue	
Priority:	No priority	
Assignee:	Alexander Motin	
Category:	Middleware	
Target version:	N/A	
Seen in:	9.10.2-U2	Needs Merging: Yes
Severity:	New	Needs Automation: No
Reason for Closing:		Support Suite Ticket: n/a
Reason for Blocked:		Hardware Configuration:
Needs QA:	Yes	ChangeLog Required: No
Needs Doc:	Yes	

Description

I get kernel panics frequently. I've tried enabling autotune to no avail, and I've recently tried running the debug kernel to get better info.

They are almost all related to vm_page_xxxx

I did a full clean reinstall of 9.10 this afternoon, and I've had 3 panics already:

info.0: Panic String: vm_page_free: freeing busy page 0xffff8080be06660

info.1: Panic String:

info.2: Panic String: vm_page_insert_after: page already inserted

info.last: Panic String: vm_page_insert_after: page already inserted

I've been able to trigger the panic by doing a rsync and also a cp -R on a ~260 GB of video files.

History

#1 - 04/07/2017 05:53 PM - Scott Finlon

- File debug-nas-20170407205001.txz added

#2 - 04/07/2017 05:58 PM - Sean Fagan

Do you have ECC memory?

I'd try running a memory tester, e.g <http://www.memtest86.com>

#3 - 04/07/2017 06:52 PM - Scott Finlon

It's non-ECC, it's an Asus Maximus V Formula consumer grade mother board, which isn't ECC compatible.

The Ram is G.SKILL Ripjaws Z Series 32GB (4 x 8GB) 240-Pin DDR3 SDRAM DDR3 1600.

I've had this machine for 5 years with no problems. I had FreeNAS in a smaller system, and moved my drives and installed in this one.

Running memtest86+ now, no errors yet, but I did realize that I recently updated my BIOS and it reset my settings including my RAM timings. That may have been part of the issue.

I've put in the correct timings, and the RAM is running at 1600 MHz instead of 1333, I will let it run overnight and update the status tomorrow.

#4 - 04/08/2017 10:41 AM - Kris Moore

- Status changed from *Unscreened* to *15*
- Target version set to *N/A*
- Seen in changed from *Unspecified* to *9.10.2-U2*

#5 - 04/10/2017 05:24 AM - Bonnie Follweiler

- Assignee set to *Alexander Motin*

#6 - 04/10/2017 09:35 AM - Alexander Motin

I don't see any relation between four crash dumps in debug data you provided. I tend to agree with Sean that it can be a bad RAM or incorrect RAM timings. I just want to add that sometimes memory test had to run for few days straight to detect transient glitches.

#7 - 04/10/2017 04:46 PM - Scott Finlon

Aye, sorry guys, one of my 8GB DIMMS was starting to flake out. I've isolated the memory errors, and removed it and its counterpart. Running on 16 GB RAM now, let's see if it's any more stable now.

#8 - 04/12/2017 07:16 AM - Alexander Motin

- Status changed from *15* to *Closed: User Config Issue*

Closing this for now.

#9 - 08/09/2017 08:15 AM - Dru Lavigne

- File deleted (*debug-nas-20170407205001.tgz*)

#10 - 08/09/2017 08:15 AM - Dru Lavigne

- Private changed from *Yes* to *No*