

stale root partiition – AIX 5.3

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Just migrated a system from 5.1 to 5.3 which went just fine until I decided to mirror rootvg. The system is at ML2. The mirroring seemed to go fine:

0516-622 : Warning, cannot write lv control block data.

0516-1124 mirrorvg: Quorum requirement turned off, reboot system for this to take effect for rootvg.

0516-1126 mirrorvg: rootvg successfully mirrored, user should perform

bosboot of system to initialize boot records. Then, user must modify

bootlist to include: hdisk0 hdisk1.

But wonder what that first line means... I saw that when unmirroring it to do the upgrade then when I did the unmirrorvg:

0516-622 rmlvcopy: Warning, cannot write lv control block data.

0516-1135 unmirrorvg: The unmirror of the volume group failed. The volume group is still partially or fully mirrored.

But when I ran the unmirror again it went fine:

0516-1132 unmirrorvg: Quorum requirement turned on, reboot system for this

to take effect for rootvg.

0516-1144 unmirrorvg: rootvg successfully unmirrored, user should perform

bosboot of system to reinitialize boot records. Then, user must modify

bootlist to just include: hdisk0.

So I thought I better check it before I reboot. I did an 'lsvg -l rootvg' and found that all of the logical volumes in rootvg were open/stale. I then ran a 'syncvg -l rootvg' and got a series of errors saying it couldn't synchronize each logical volume. But when I looked again, all of the logical volumes were synchronized except / (root). I tried 'syncvg -l hd4' but it said it couldn't synchronize and hd4 still shows open/stale.

I can run rmlvcopy on hd4 fine. I can also run mklvcopy of hd4 onto

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hdisk1 and it works but still shows as open/stale. When I 'lspv hdisk0' there are no stale partitions but if I run 'lspv hdisk1' it shows 88 stale partitions – which is the amount of partitions for /.

Everytime I run 'syncvg -l hd4' I also get DISK_ERR1 errors which IBM says mean the disk is definitely going bad. But I ran a mksysb and run TSM on the system all night and no disk errors popped up at all. I removed the hd4 copy on hdisk1 so it would show as open/sync in case it gets rebooted.

Problem is I can't do much with the root partition in a stale state. I can't replace the disk and remirror it from hdisk1 because the root mirror is apparently stale. I am wondering if this disk is really going bad or is it something else since I only get errors when trying to mirror hd4.

Am I screwed here or is there some way I can try to fix the root partition so it will mirror? I saw synclvodm but not sure if that would help. Any help is appreciated.

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