The reason I am posting here again about this topic is because I have switched to Debian since my previous posts and have still been running into the very same issues as described here.

As well as here in detail: http://marc.info/?l=linux-kernel&m=105752554030895&w =2

Upon researching for way, way, way too long -- I believe I have finally found the exact problem (from the horse's mouth) that is causing this kernel panic, data loss, controller failure.

It is a problem between the 3ware Escalade 7506 and 8506 cards and a specific chip on certain Tyan Motherboards, specifically the E7501 Intel chipset, which is present on my Tiger i7501 (S2723) motherboard.

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FROM 3WARE (http://tyan.com/archive/support/html/f_s2885.html):

Why can't I get my 3ware Raid card to work correctly with this motherboard?

3ware and Tyan have worked together to identify the issue between 3ware 7506 ATA and 8506 SATA RAID controllers and certain chipsets. 3Ware has a technical note available on their knowledge base:

    https://www.3ware.com/kbadmin/attachments/TM900-0045-00%20Re v%20A_P.pdf

Tyan will be working with 3Ware to validate the next generation of 8506/9500 RAID controllers on our motherboards.

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The PDF suggests that the solution is as simple enough as changing the 1U riser card being used to Model# PCITX8-3R manufactured by Adex Electronics, Inc. (http://www.adexelec.com). Too bad I have gone through two years of intermittent hell to finally get this solution, I hope it works...

Best regards,

Matthew Cluver

File Attachments
1) TM900-0045-00 Rev A_P.pdf, downloaded 458 times