

# Re: The logical disk not on preferred path...Fast700 & AIX

**Source:** <http://unix.derkeiler.com/Newsgroups/comp.unix.aix/2004-04/0937.html>

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**From:** sasa queer (*sasa1973pk\_at\_yahoo.com*)

**Date:** 04/30/04

Date: 29 Apr 2004 21:49:41 -0700

Dears,

I have been in same situation for last whole week.

The luns are always moving away from their preferred path and as a result OS is loosing sight of Luns on FAsT.

IS it a bug in FAST Software or AIX handling of FAST.

Any ideas

!!!

SASA

sasa1973pk@yahoo.com (sasa queer) wrote in message  
news:<702930ee.0404262217.bdc1a9e@posting.google.com>...

> *Sorry Tom .*

> *I really appreciate ur help and with ur answer realizing that i have*

> *infact given really less information to go along.*

>

> 1)

> *Yes i am using two SAN switches. However they are not intermixed to  
> form a single Fabric.*

> *The cabling is done in this way that cables from each FC card ends  
> into seprate san switches.Zoning is done on each SAN Switch in this  
> way that each card should see seprate controllers on FAST Subsystem.*

> *There are two FC on each AIX host.*

> *One zone is also made to access tape drive. So one FC card's port on  
> switch is duplicated in two zone ( i.e CTLR-B Zone and Tapedrive  
> Zone).*

>

> 2)*The errors appearing on AIX host are saying " Array Controller  
> Switch " and "Array Configuration changed". I will post exact labels  
> in my next post but you are right that every time there is an error in  
> AIX error log which indicates that there are some event occur at FAST  
> subsystem level.*

>

> *And i am very much thankfull to you if you help me in pointing to  
> error which is present in SAN Configuration.*

> *In addition to this i want to ask some basic questions:*

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- > 1) Can the Lun be accessed through two FC adapters per AIX host .I
- > think that it should be supported as there is RDAC driver present on
- > AIX.
- > 2) can a LUN be shared between two AIX hosts without using HACMP. I
- > mean using manual varyonvg and varyoffvg commands?
- >
- > Thanks in advance !
- > SASA
- >
- >
- >
- >
- > Tom Hoffmann <trh411@earthlink.net> wrote in message
- news:<pan.2004.04.25.03.12.53.514695@earthlink.net>...
- >> On Mon, 19 Apr 2004 09:09:40 -0700, sasa queer wrote:
- >>
- >>> Dears,
- >>> I have been captured in a strange situation. I have a number of P630
- >>> servers connect to a fast700 subsystem . one of the p630 have Stoirage
- >>> manager 8.3 installed and managing subsystem through direct management
- >>> technique ( no Sm agent working). Now the problem is that very
- >>> frequently " logical disk not on preferred path" error appearing on
- >>> subsysyem level and on AIX level the varyonvg commands hang and
- >>> filesystems hang up occur.
- >>>
- >>> A lot of fcs-array errors also appear in aix system log. AIX 5.2 MI01
- >>> and fast manager 8.3.
- >>> can any body help me ?
- >>
- >> Well, you certainly have not given much to go on. SAN configurations can
- >> get very complex. Troubleshooting a SAN without any facts about how it is
- >> configured is impossible. Here are some questions:
- >>
- >> 1) Are you using a switched fabric to connect the hosts to the 700? If so,
- >> how many switches are in your configuration? How have you configured the
- >> zones on your fabric switches relative to the controllers on the 700? 2)
- >> How many FC adapters are in each host? Did you zone each adapter to a
- >> separate 700 controller?
- >> 4) What are the errors you are getting in the error log? I can make an
- >> assumption that they are FCP\_ARRAY\_ERROR messages, but why don't you
- >> provide the messages?
- >>
- >> BTW, in my experience, FCP Array errors are almost always the result of a
- >> mis-configured SAN.