

Re: Moving to a New SAN

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"Pat Hall" <PatHall@discussions.microsoft.com> wrote in message news:A861D454-65E9-4788-B59B-A1FAAEE38E3C@microsoft.com...
> *We are planning on moving our SQL Cluster (Win2k3 active/passive) using*
> *MSCS*
> *from an EMC SAN to an IBM SAN (FastT). 2 questions:*
> *1) Can the Quorum disk*
> *stay*
> *at 16.5 MB like it is on the EMC SAN or do we need to increase the size to*
> *the 500 MB as recommended? The only thing on that drive is the cluster*
> *info.*

I would recommend changing it on the new SAN.

> *2) Have looked a sever posts and am concerned that our*
> *plans*
> *may not work like we think. We are going to:*
> *a) Make sure the nightly*
> *backup*
> *ran for each server*
> *b) Shut down the servers and install an extra HBA in each*

It may be easier to just add the new switches for the new SAN into the fabric rather than adding a new HBA. With both SAN devices in the same fabric, it won't require cracking the server cases.

> *c) Bring the servers up and verify that they can see the*
> *correct LUNs*

If you add the SAN to the fabric, all you will need to do is rescan for drives in disk management, assuming the proper WWNs are added to make the new LUNs visible to the nodes.

> *d) Shut down the services on each machines*

No need to do this unless you are talking about services that are locking files.

- > e) Copy the files from their current EMC LUN to the IBM LUN (I'd like to
- > do
- > a mirror and then break, we will see which works best, robocopy is our
- > fallback).

I have done both. I like the Mirror and break solution.

- > f) Break mirrors (if we do it via mirroring)
- > g) Change drive letters so the IBM LUN now has the one previously used by
- > the EMC drive
- > h) Bring up the services and make sure that everything comes up properly.
- >
- > Are we going to have problems?

The quorum is easiest to move by using the GUI and changing from the drive on the EMC to the IBM. If you are trying to get to the letter Q (EMC has Q:), then I would use one of the LUNs on the IBM as a temp home for the quorum and move it there, remove the disk resource for the Q: and then reletter it in the OS, and then create a new Q: disk resource on the IBM and move from the temporary home to the new Q:.