Re: Clustering and Mirror Data sets?

Source:
http://www.tech−archive.net/Archive/Windows/microsoft.public.windows.server.clustering/2008−02/msg00124.html

- *From*: dfontenot <dfontenot@xxxxxxxxxxxxxxxxxxxxxxxxx>
- *Date*: Thu, 21 Feb 2008 09:06:00 −0800

Thanks for the replies. Yes I am only looking for some local failover, not geo−cluster. I am trying to test out our software with the effects of redundant servers to allow minimal downtime in the event of a hard ware failure or server issue, will also allow system maintance on one server while the other system is still hosting the application.

Problem is that I can not justify the 10K plus for a SAN solution to do some testing on how our software will react if when a failover occurs.

My thought process is to map a drive (via login script) over to another server to "simulate" a shared drive (SAN connection) just as when the HBA cards mount the file system to the SAN.
Not sure if this will work, just for testing purposes, but will give it a try.

Thanks

"John Toner [MVP]" wrote:

> Well, I don't think I'd call this a multi−site cluster...sounds to me like he's looking more for a cluster without shared storage (which I guess is technically true for geo−clusters). Most cluster applications will require shared storage and it sounds like your application would also need this requirement. MSCS alone does not offer data replication so you could not do this without 3rd party software or installing some form of shared storage.
>
> Also, MSCS is a "shared nothing" cluster so only one server would be able to access the cluster resources at a time. It is possible to add additional resources to your cluster so your other node is not just a "standby" node, but MSCS does not give you any sort of load balancing.
>
> Hope this helps.
>
> Regards,
> John
>
> Visit my blog: http://msmvps.com/blogs/jtoner

"Edwin vMierlo [MVP]" <EdwinvMierlo@xxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message news:%23NsXwJ5cIHA.4196@xxxxxxxxxxxxxxxxxxxxxx

> You are talking about a multi−site cluster, and yes it can be done with Microsof Failover Cluster
> However, the data replication part is still 3rd party, so you need a hardware (SAN vendor) solution or software solution for your multi−site cluster to replicate the data and to manage the accessibility to that data in relation to the disk, Microsoft Failover cluster still "expects" a "shared disk" as a cluster resource.
>
> Rgds,
> Edwin.
>
> "dfontenot" <dfontenot@xxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message news:DCB8FECA−EDA6−4FFB−90D9−A29C3DC45D20@xxxxxxxxxxxxxxx
>
> > Hello all, I seem to always browse through the forum and find my answer,
> > never having to ask but this time a little more info is needed..
> >
> > I have an application that runs as a server service on 2003 servers, it
>
> can
>
> > be started up either as a system service or a manually started service
> > (application), that has prioprietary database files, folders and configuration that runs on the local file hard disk. OS and what not is
> > installed on the C:\ Drive.
> > Application is installed and running on the D:\ drive, all data files
>
> and
>
> > configuration is running/stored on the E:\ Drive. I am currently using

a

> 3rd
>
> > party product to mirror this data and fail over between 2 servers,

product

offers both High Available and mirror data sets in the resource group

for

the

local data on the servers. Only one server can access the data source

and

run the resource group. The other server is hot standby with mirror

data

set.
I am looking to configure,test and possibly use microsoft as a complete
solution. Can this be done with no 3rd party software or SAN solution?
I am looking at MSCS and DFS or something of this sort. I do not have
access to a SAN solution, so how can I configure 2 or 3 (if needed)

servers

to run HIGH AVAILABILITY and have the data mirrored to both servers so

that

either server would be able to run the resources, applications and also

have

the up to date data?

Any idea's or help would be greatly appreciated..
Thanks

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