

Re: Cluster splitting

Source:

<http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.clustering/2006-04/msg00075.html>

- *From:* "Bernard Cheah [MVP]" <qbernard@xxxxxxxxxxxxxxxxxxxxxx>
 - *Date:* Wed, 5 Apr 2006 17:18:33 +0800
-

Ok. to be a noob for a while. the heart beat cable also point to point connection?

The SAN connection has been taken care by its own replication solution and fabric connection from the two different data centers.

—

Regards,

Bernard Cheah

<http://www.iis-resources.com/>

<http://www.iiswebcastseries.com/>

<http://msmvps.com/blogs/bernard/>

"John Toner [MVP]" <jtoner@xxxxxxxxxxxxxxxxxxxxxx> wrote in message [news:%23\\$4M5IAWGHA.5528@xxxxxxxxxxxxxxxxxxxxxx](news:%23$4M5IAWGHA.5528@xxxxxxxxxxxxxxxxxxxxxx)

Bernard,

Stretch clusters also fall under "geographically dispersed" clusters category. As far as MSCS is concerned, setting up a stretch cluster or a geo-cluster is no different than setting up a standard cluster. The same rules that apply to standard clusters also apply to geo-clusters. The only real difference in setup occurs at the storage level and possibly the network setup for VLANs. For a stretch cluster, you'll have some additional configuration in the SAN but this should be transparent to MSCS. When you install MSCS, it should install like any other cluster.

Hope this helps.

Regards,

John

"Bernard Cheah [MVP]" <qbernard@xxxxxxxxxxxxxxxxxxxxxx> wrote in message [news:ObTKJj\\$VGHA.2040@xxxxxxxxxxxxxxxxxxxxxx](news:ObTKJj$VGHA.2040@xxxxxxxxxxxxxxxxxxxxxx)

John, do you have any url for the 'stretch' cluster setup ?

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Regards,
Bernard Cheah
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"John Toner [MVP]" <jtoner@xxxxxxxxxxxxxxxxxxxxxxxx> wrote in message
<news:%231ttA5TVGHA.3760@xxxxxxxxxxxxxxxxxxxxxxxx>

While MNS can be used in a geographically dispersed cluster, it is not required for a geo-cluster. Personally, I would not recommend

considering

a
MSN quorum in a geocluster unless you had a 3rd site in the picture.
For
Windows 2000, obviously there is no MSN and there are certainly

supported

geo-cluster solutions for W2K.

There are different kinds of geographically dispersed clusters. It

sounds

like you are considering a "stretch" cluster rather than a

geographically

dispersed cluster. A true geo-cluster would use a replication technology to synchronously copy data between storage arrays between sites. You will always need to get a third party involved to accomplish this type of cluster.

For stretch clusters, you would simply have an ISL between sites or some

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other mechanism to stretch your SAN between sites. This is certainly doable and supported.

Regards,
John

"Bernard Cheah [MVP]"

<qbernard@xxxxxxxxxxxxxxxxxxxxxx> wrote in message [news:u9t\\$5nGVGHA.328@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:u9t$5nGVGHA.328@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx)

Thanks. I read about MNS and new stuff with W2k3 clustering. However, the current environment is fully w2k based and from the KB.

- round trip below 500ms
- quorum this must be replicated

For same building - same vlan setup should not have more than 500ms

latency,

what about the quorum this? I'm planning to have both nodes connect to the same SAN, via FC of coz. in a way - it would be same as both nodes are sitting in the same data center. make sense to you?

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Regards,
Bernard Cheah
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"Ryan Sokolowski (MVP)"

<ryan@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>
wrote in

message

news:%23aKJOBVGH.1564@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx

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Sure thing...good topic and question. While one of my fellow MVPs

(John

Toner) is much more the Geo-Cluster guy than I am, I'll try to screen

this

one for you...

You're referring to a Majority-Node Set (MNS) or Geographically

Dispersed

Cluster (Geo-Cluster) and there is lots of good guidance on how to implement and architect this particular configuration (which is significantly different from the traditional Quorum-Disk based

cluster

model).

Also please note that you must pay particular attention to the

Windows

Server Catalog as it concerns supported hardware/configurations.

Start here (even though you said it's W2K, not W2K3):

Geographically Dispersed Clusters in Windows Server

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2003

<http://www.microsoft.com/windowsserver2003/techinfo/overview/clustergeo.msp>

Windows clustering and
geographically separate sites
<http://support.microsoft.com/kb/280743>

The Microsoft support
policy for server clusters,
the Hardware
Compatibility List, and the
Windows Server Catalog
<http://support.microsoft.com/kb/309395>

These should get you
started...hope this helps,
--Ryan

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Ryan Sokolowski
MVP – Windows Server –
Clustering
MCSE, CCNA, CCDA,
BCFP

"A troubleshooter's best tool
is the Event Viewer and
understanding

the

events and messages
contained therein."

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"Bernard Cheah [MVP]"
<qbernard@xxxxxxxxxxxxxxxxxxxx>
wrote in
message

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news:%23KYeD\$7UGHA.5364@xxxxxxxxxxxxxxxxxxxxxxxxxxxx

Can anyone
point me to
any
reference
doc for
splitting or
extending
the
MSCS to
two
different
building?
I'm looking
at different
buldings
and
different
sites
setup.....

Oh ya, this
is w2k. not
w2k3.

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Regards,
Bernard
Cheah

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