

Re: Cluster splitting

Source:

<http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.clustering/2006-04/msg00062.html>

- *From:* "John Toner [MVP]" <jtoner@xxxxxxxxxxxxxxxxxxxxxxxx>
 - *Date:* Tue, 4 Apr 2006 12:09:55 -0400
-

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@xxxxxxxxxxxxxxxxxxxxxxxx> wrote in message [news:ObTKlj\\$VGHA.2040@xxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:ObTKlj$VGHA.2040@xxxxxxxxxxxxxxxxxxxxxxxx)

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

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Regards,
Bernard Cheah
<http://www.iis-resources.com/>
<http://www.iiswebcastseries.com/>
<http://msmvps.com/blogs/bernard/>

"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

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

Regards,
John

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

[news:u9t\\$5nGVGHA.328@xxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:u9t$5nGVGHA.328@xxxxxxxxxxxxxxxxxxxxxxxxxxxx)

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

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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?

—
Regards,
Bernard Cheah
<http://www.iis-resources.com/>
<http://www.iiswebcastseries.com/>
<http://msmvps.com/blogs/bernard/>

"Ryan Sokolowski (MVP)"
<ryan@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in

message

news:%23aKJOBVEVGH.1564@xxxxxxxxxxxxxxxxxxxxxxxxxxxx

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

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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 2003

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

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."

This posting is provided "AS IS" with no warranties, and confers no rights.

"Bernard Cheah [MVP]"

Re: Cluster splitting

<qbernard@xxxxxxxxxxxxxxxxxxxx> wrote
in message
[news:%23KYeD\\$7UGHA.5364@xxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:%23KYeD$7UGHA.5364@xxxxxxxxxxxxxxxxxxxxxxxx)

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