

# Re: Virtual Server and Cluster

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*Source:*

<http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.clustering/2007-08/msg00175.html>

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  - *Date:* Sat, 18 Aug 2007 09:12:54 -0400
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Have you read this document?

<http://download.microsoft.com/download/d/c/b/dcbdbbc4-a654-4c35-b4ad-67dbba35782e/VSHostClustering.doc>

I setup the same using this doc as a guide. Manual shutdown of a host is a special case for failover, and there is a section in that document which describes a simple batch file which runs on shutdown that essentially stops the cluster service. This will cause your guests to first save their memory state to disk and then the guests should failover to the other node. This works in conjunction with the vbs scripts you add as resources.

One thing you may be noticing is that the resources are actually failing over, but the vm's don't start. This could be due to overprovisioning memory. This works albeit flaky at times but we run about 8 developer workstations from a pair of clustered SAN boot x64 R2 hosts. Works great \*most\* of the time.

To answer your question though, doing a start->shutdown is a valid test, but does not replace the case where one server simply dies (i.e. power loss, bugcheck, lockup, etc). The safest method, IMHO, is to manually disconnect the storage connections and all ethernet connections, for all intents and purposes this will appear to the remaining node as a power failure. This will test the ability for the remaining node to detect the partner is dead, and clear the reservations on the disks (via a hierarchical break\_reservation), and then reserve them and start any resources dependent on those disks (your vb scripts).

~kenny

"E2tech" <[E2tech@xxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:E2tech@xxxxxxxxxxxxxxxxxxxxxxxxxxxx)> wrote in message <news:7B44C07A-B51B-46EE-9BE0-36A67641C59A@xxxxxxxxxxxxxxxxxxxx>

I have 2 identical Windows 2003 servers configured in a cluster. I setup Virtual Server per MS documentation and it is working fine. I can manually move cluster groups from one to the other with no problem.

A problem happened when I went to do a failover test. I performed a Start > Shutdown on one server thinking the other would pick up the cluster. However, it didn't...the one server shutdown and the cluster never came up on the other. I have scripts in the cluster resource to ensure VMs start on cluster move and when I ended the Virtual Server in task manager the cluster came up.

Is performing a shutdown on one server not a good way to test Virtual Server cluster failover? Does anyone know if there is Microsoft documentation explaining a Virtual Server operation in a cluster as it pertains to failover

Re: Virtual Server and Cluster

testing?