

Re: IP Address resource does not come up after failover!

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Source:

<http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.clustering/2006-08/msg00277.html>

- *From:* "Chuck Timon [Microsoft]" <ctimon@xxxxxxxxxxxxxxxxxxxxxx>
 - *Date:* Mon, 14 Aug 2006 08:10:50 -0400
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That's not the way cluster works. Cluster does not assign any IP addresses – it brings them online provided the network supporting the IP address is up. Cluster is just a multi-homed machine. The process cluster uses is here – [http://support.microsoft.com/default.aspx?scid=kb;\[LN\];168567](http://support.microsoft.com/default.aspx?scid=kb;[LN];168567)

Please also tell me that since these NICS are plugged into different switches, they are on the same VLAN? Seperate VLAN? What?

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"Max2131" <Max2131@xxxxxxxxxxxxxxxxxxxxxx> wrote in message <news:792A4048-EC12-4D1F-9B74-45F504C4AF9F@xxxxxxxxxxxxxxxxxxxxxx>

Hi Chuk. Thanks for the reply.

The problems is that the network is not down in a sense that there is a good connection between the NICs of both machines and the switches (links are up).

The failure is somewhere in the middle of the network which affects the connectivity between the cluster nodes.

However, if I, say, just unplug one of the NICs from its switch the cluster

service will correctly do the failover to the node that still has the NIC connected to the switch.

So here is the problem – why during a manual failover to a cluster node does

not the cluster service just assign the resource IP address to the node's NIC

(which is connected to the switch and its link is up) without proper

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connection to the cluster's other node when its NIC also properly connected to the switch?

"Chuck Timon [Microsoft]" wrote:

If the network that an IP address resource is associated with is down, the IP address will fail – expected behavior. Because the network using the crossover cable is still up the cluster service on both nodes continues to run because it can communicate with all the nodes over that network. One of those communications is the fact that there is a failed IP address in the cluster.

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"Max2131" <Max2131@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message news:282C5130-5445-422B-9C3B-A3BF5C2A7F25@xxxxxxxxxxxxxxxxxxxx

Hi. I use a two machine cluster (Server 2003 R2 EE). Each of them has two Ethernet NICs and both are connected to a SCSI quorum. There are two Ethernet paths between the machines – one is just a crossover (never fails ;) and the other is a more complicated connection via several switches. Each of these network connections has an IP address resource assigned to, and both of these resources are in the same group as the quorum. Here is the problem: if, for some reason, one of the intermediate switches goes off (so the second connection gets broken) and I do a manual failover (which otherwise works just fine) – the IP address resource for the broken connection

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never
comes up, and the group marked as failed. I expected that,
even in the
case
of failure, given that there still is a working connection
between the
machines (crossover) this IP address resource should just
move to the
designated host...but it does not work.
Does anybody have an idea?
I'd really appreciate any help you guys can provide.