

Re: Development question regarding new resources

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From: Robert Stankey (*robert.stankey_at_lsil.com*)

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On Thu, 18 Mar 2004 03:09:41 GMT, Greg Page wrote:

I'm trying to get a node to failover if it loses access to the storage. When this happens I'll see a SelectionTimeout error returned but clusdisk.sys doesn't seem to recognize this – or more specifically it doesn't appear to initiate a node failover.

> *What exact.y are you trying to accomplish? what is your end goal?*

>

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>>*From: Robert Stankey <robert.stankey@lsil.com>*

>>*Subject: Development question regarding new resources*

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>>*I've seen problems with the ScsiPort driver not properly recognizing Fibre*

>>*Channel RAID controllers when they log themselves into the fibre. To work*

>>*around this some HBAs allow you to disable the bus rescan notification from*

>>the miniport driver. One problem with doing this is that if you disconnect
>>the fibre cables from the host Cluster won't failover to the other node
>>because I believe its relying on the Pnp REMOVE_DEVICE notification to be
>>sent down the driver stack.
>>
>>Because of this dilemma I consulted the Server Cluster API documentation and
>>noticed you can write new Resource DLL's so in theory I could write a
>>resource to monitor the disks but that seems redundant. As part of this
>>solution I have a filter driver that can determine if the connection to the
>>storage is lost by examining any I/O errors returned. Given this my new
>>DLL could poll the filter driver during the DLL's LooksAlive() or IsAlive()
>>routine and return status/failure.
>>
>>So, my questions are:
>>
>>- Is there anyway to "piggyback" on the Disk resource so a new, customized
>>version is not required?
>>- I assume an administrator would have to associate an instance of my
>>Resource with each Disk, or could one instance be created which could
>>monitor multiple devices?
>>
>>Thanks,
>>Bob
>>