

Re: Mux driver?

Source:

<http://www.tech-archive.net/Archive/Development/microsoft.public.development.device.drivers/2006-11/msg00685.1>

- *From:* "Stephan Wolf [MVP]" <stewo68@xxxxxxxxxxx>
 - *Date:* 19 Nov 2006 04:10:58 -0800
-

Ah, yes, now I remember better. The reason why the "Load Balancing and Failover" provided by NDIS was useless for us years ago is the fact that it can only handle two kinds of network adapters in the same bundle.

Thanks for the clarification Tom.

Stephan

Thomas F. Divine [MVP] wrote:

Sorry, Stephan, but the DDK Topic does apply to to the OP's original inquiry. It does describe how to use NdisMSetSecondary to hide virtual miniports belonging to a "bundle" after the first "primary" miniport. It also describes how to use NdisMPromoteMiniport to handle failures. These can be used to achieve the OPs stated goal of having "only one virtual miniport is presented for 2 physical adapters".

Now the MSDN topic of "load balancing" brings up information about Windows Server facility of distributing requests across multiple servers – which actually has nothing to do with NDIS at all...

And neither of these topics address the load balancing aspect of 802.3ad link aggregation – a task that would certainly take several man-months to design and implement.

Use of the term "load balancing" is a hot-button for me as well. I absolutely agree that the term "load balancing" is truly ambiguous – at least in the information available for research in the MSDN and DDK.

Thos

"Stephan Wolf [MVP]" <stewo68@xxxxxxxxxxx> wrote in message news:1163880136.363516.38070@xx

Umm, sorry Tom, I ran into the same belief when I started to implement "Load Balancing and Failover" years ago.

Re: Mux driver?

IIRC, the "Load Balancing and Failover" discussed in the DDK docs has nothing to do with MUX intermediate drivers. See the DDK docs for details.

I guess the OP rather wants to implement what is described in the standard IEEE 802.3ad "Link Aggregation" (download the complete 802.3 standard for free here: <http://standards.ieee.org/getieee802/>). For this one actually needs to implement a MUX IM.

Note, however, that neither implementing a MUX IM nor implementing Link Aggregation is an easy task. Actually, this will take several man months to implement – assumed one already has an advanced understanding of NDIS and IMs.

Stephan

Thomas F. Divine [MVP] wrote:

See the DDK Help file topic "Load Balancing and Failover".

Thomas F. Divine
<http://www.rawether.net>

"ttan" <ttan@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message
<news:A0C43A20-442D-4CC9-9FEE-8E7D60D4C509@xxxxxxxxxxxxxxxxxxxx>

I got Mux driver from ddk, how do I
modified this mux driver to N-1
where
only one virtual miniport is presented for 2
physical adapters? I'm
new
to
driver developer and I really need help.

best regard,
ttan