

# Re: dynamic route table problem

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*Source:*

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- *From:* "Kurt" <[lorentzenkurt@xxxxxxxxxxxxxxxxxxxxx](mailto:lorentzenkurt@xxxxxxxxxxxxxxxxxxxxx)>
  - *Date:* Sat, 23 Sep 2006 08:54:17 -0700
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I agree 100% with Phillip. If it only happens in segments where the default gateway is pointed at the PIX, the PIX is responsible – it may not be doing anything wrong based on its configuration – but it is almost surely the source of the information. Windows will not learn routes from another router's routing table (unless a routing protocol is running on both), but it will learn direct routes to hosts via an IP redirect.

...kurt

"Phillip Windell" <[@.](mailto:@.)> wrote in message  
[news:ujF3nCq3GHA.5092@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:ujF3nCq3GHA.5092@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx)

"Brian E" <[dirwolf@xxxxxxxxxxxxx](mailto:dirwolf@xxxxxxxxxxxxx)> wrote in message  
[news:Ot6dq7d3GHA.4748@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:Ot6dq7d3GHA.4748@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx)  
Would you happen to have any references on how 2000/2003 discovers routes on boot,

I'm not aware that such a mechanism even exists,...in fact I don't think such a thing does exist. The routing table is built at boottime based on the TCP/IP config of the Interfaces, so it is effectively *\*static\** and not "learned", which is why I asked earlier if there were additional IP#s configured that might have been forgotten about.

You need to be looking at the PIX and any other router that "touches" that segment. If you don't have access to those things, find someone who does and dump this in their lap.

I have a feeling this is something learned, something like spanning tree.

Spanning Tree is Layer2 and only effects the Switch Fabric. In the end all it really does is detect redundant Switch Paths and shuts down the slower one and holds it in reserve in case the primary one goes down,...then it brings up the reserved one. That is all it does,..it is Layer2 and only functions within a single subnet. Routing Tables in the OS are Layer3, so there is really no relationship at all,..they aren't even aware of each other.

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