

Re: Arp Table Entries are invalid

Source:

<http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.networking/2006-12/msg00018.html>

- *From:* "Jef D" <jef.dye@xxxxxxxx>
 - *Date:* 28 Nov 2006 09:27:11 -0800
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I have swapped the cable and port on the switch. The switch is a manageable Cisco 3750G but it has not been configured to be managed and over course no VLANs since it has not been configured.

I have also loaded the latest NIC driver from Boardcom.

Still the same problem.

Jef

Ace Fekay [MVP] wrote:

In news:1164676602.696512.10830@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx, Jef D <jef.dye@xxxxxxxx> stated, which I commented on below:

The server is running Windows 2003 R2 Enterprise. Here is the problem. I have several servers, more than 20, and only one of these is exhibiting this problem. When I ping a from Host A to Host B, C or D continuously, I get a Request Timed Out for anywhere from 5 to 15 minutes.

During that time the ARP table shows the IP I am pinging with a 00-00-00-00-00-00 MAC and Type is listed as INVALID.

When I ping any other server other than HOST B, C or D, it returns a reply immediately and the ARP Table is updated immediately with the correct MAC address for that server and the type is listed as Dynamic.

Once the ARP Table is updated with the correct MAC periodically, it drops the correct MAC and sets the MAC to 00-00-00-00-00-00 and the Type is listed as INVALID again. The pinging will abruptly start Timing Out again for another 20 minutes or so.

The big problem is that the server having the ARP issues is my backup server and he can't get to these remote servers to back them up.

All servers are on the same switch.

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I have tested the network cable and they are all good. I have switched to the other onboard NIC on the server and I am experiencing the same problem regardless of which NIC I use.

Any ideas?

Jef

Have you tried changing ports on the switch? Is the switch manageable? Any errors in its logs, if logging is enabled (should see something)?

Any VLANs configured?

—

Ace
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Instead of the website you're using, I suggest to use OEx (Outlook Express or any other newsreader), and configure a news account, pointing to news.microsoft.com. This is a direct link to the Microsoft Public Newsgroups. It is FREE and requires NO ISP's Usenet account. OEx allows you to easily find, track threads, cross-post, sort by date, poster's name, watched threads or subject.
It's easy:

How to Configure OEx for Internet News
<http://support.microsoft.com/?id=171164>

Infinite Diversities in Infinite Combinations
Assimilation Imminent. Resistance is Futile
"Very funny Scotty. Now, beam down my clothes."

The only constant in life is change...