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Subject: \*SOLVED\* arp entries on HN

Posted by [John Kelly](#) on Mon, 18 Sep 2006 19:23:57 GMT

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My openvz kernel 2.6.16-026test015.2 publishes a permanent arp entry for my VE:

daves.isp2dial.com (69.60.124.123) at <from\_interface> PERM PUB on eth0  
My colo provider gives me 3 IPs, and publishes their own arp entries for my 3 IPs.

I have a problem where packets to the VEs are lost, intermittently throughout the day. By running tcpdump when the problem occurs, I can see the packets to the VEs are not reaching my ethernet card, while packets to the HN are.

I discussed this with the colo provider, and they don't think it's their problem. However, based on what the tcpdump reveals, I believe it is their problem. But since I can't get them to fix it, I need to work around the problem. I wonder if my published arp entries are confusing their router, since they publish their own arp entries.

Can I prevent the openvz kernel from publishing arp entries for the VEs? I don't need them, since the provider publishes an arp entry for each of my 3 IPs, and I want to experiment, to see if that might solve the problem.

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Subject: Re: arp entries on HN

Posted by [John Kelly](#) on Wed, 20 Sep 2006 03:08:13 GMT

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My provider escalated the problem to the next level techs, who replied:

Quote:I doubled the arp unresolved threshold to allow the CPU to resolve more arp entries on each attempt. I also set the arp for your IP addresses static.

They previously had said my ARP entries were already static, but obviously, that was false.

I have not seen the problem any today, so it seems they fixed it, by making my ARP entries static at the router.

So, never mind my question ...