Subject: *SOLVED* Static ARP setting in VM
Posted by HRogge on Wed, 23 May 2007 12:27:57 GMT
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I'm trying to set a fixed ARP cache entry inside a VM, but I always get an error.

vn101:/# arp -s 10.0.0.101 00:11:22:33:44:55
SIOCSARP: Operation not permitted

Subject: Re: Static ARP setting in VM
Posted by kir on Wed, 23 May 2007 12:37:34 GMT
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In case you are using venet networking for a VE (venet is default), host system acts as a router, and VE has a macless venet device -- so there is no arp and you can not add arp entries.

I'm not sure what you try to achieve, but you can either add arp entry on the host system, or try using veth (see http://wiki.openvz.org/Veth), which is brigded (as opposed to routed) networking for a VE with a mac address.

Last way is to use real ethernet device (vzctl set --netdev_add)

Subject: Re: Static ARP setting in VM
Posted by HRogge on Wed, 23 May 2007 12:54:07 GMT
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I think this should be the relevant part of my /etc/vz/conf/101.conf:

NETIF="ifname=eth0,mac=00:00:00:00:02:01,host_ifname=veth101.0,host_mac=00:00:00
:00:01:01;ifname=eth1,mac=00:00:00:00:04:01,host_ifname=veth101.1,host_mac=00:00
:00:00:03:01"

I would like to achive that the VM does not have to ask for the MAC address of it's communication partner by an ARP packet (there is a fixed number of MACs/IPs).

Subject: Re: Static ARP setting in VM
Posted by Vasily Tarasov on Fri, 25 May 2007 10:40:49 GMT
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Hello,

Thank you for the report, I attach the path that fixes your problem. It probably will be included in next OVZ kernel release.

Thanks,
Vasily.

File Attachments

1) diff-arp-set-ioctl-20070625, downloaded 558 times

Subject: Re: *SOLVED* Static ARP setting in VM
Posted by HRogge on Fri, 25 May 2007 10:59:49 GMT
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Thank you, I will try to test this patch soon...

Subject: Re: Static ARP setting in VM
Posted by dev on Fri, 25 May 2007 14:46:54 GMT
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commited in 028stab034

Subject: Re: *SOLVED* Static ARP setting in VM
Posted by HRogge on Tue, 29 May 2007 06:19:01 GMT
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It works nice, thank you for the quick patch.
