Subject: Re: Network newb questions - multiple nics, mac address
Posted by khorenko on Tue, 24 Jun 2008 16:16:11 GMT
View Forum Message <> Reply to Message

Hi,

Quote:#1 -
The vm's are running an application that is pretty network intensive, so I'm trying to figure out how to tell vm's 0-3 to use eth0, and vm's 4-7 to use eth1. I'm not too network savvy, so I've been trying bits and pieces of things I've gleaned from the forum, but haven't been successful.

Well, you can try to configure source based routing on the Hardware Node - i mean if a packet came with source address from Containers 0-3, then process table A with default gateway X.
If a packet came with source address from Containers 4-7, then process table B with default gateway Y.

Another solution is to use veth and create two bridges:
* bridge 1 : eth0 + veth0 + veth1 + veth2 + veth3
* bridge 2 : eth1 + veth4 + veth5 + veth6 + veth7

Quote:#2 -
The application we are running looks for the mac address of the machine for licensing and identification. We have a work around from the software vendor, but it's cumbersome at best, so I've been researching for a way to have a mac address without the performance hit mentioned for the veth device.

Unfortunately venet interface cannot have a MAC address, so you have to create a veth device for a Container.
Note: you can just create veth interface for Container and continue using venet - they are not alternative.
Note1: if you afraid of veth performance degradation, just compare the performance of configuration with veth and with venet. And it would be great if you'll share the results.
Quite probably that the degradation won't be noticable at all - it depends on really many factors.

Hope this helps.

--
Konstantin