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Subject: Networking problem inside a openvz virtual machine

Posted by [misch](#) on Thu, 12 Jun 2008 10:15:24 GMT

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Hi,

I want to setup a Linux-HA cluster inside a virtual openvz machine. Due to the nature of openvz virtual machines I have a problem with IP address resources.

Let me explain the problem: Inside openvz virtual machine there are two different network devices venet and veth.

As far as I understood the documentation, using venet devices you cannot change the ip address inside the virtual machine. So no chance to set up a cluster using IPAddr2 resource the easy way. So no chance to let heartbeat control the IP address here. I have a ugly workaround, but that is not the topic here.

Using veth device you can change the IP address inside the virtual machine. But you have to set up proxy arp on the host machine and also the host has to know about routing to that machine. If the IP address resource inside the virtual machine is moved away to an other virtual machine located on the same host or another one, the original host will still advertise its MAC address for the virtual IP address of the cluster and will route the packets to the virtual machine not serving the IP address any more.

Did I understand OpenVZ documentation right?

Is there any way out of this dilemma using heartbeat inside openvz virtual machines?

Greetings,

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