Subject: Routing Class C subnet to VE
Posted by zvnepo on Wed, 09 Jan 2008 04:48:28 GMT
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Is there a way to route an entire Class C subnet to a VE, ie. by static route on host node? Subnet is arriving to the host, just not to the VE.

Any hints welcome or other suggestions.

Subject: Re: Routing Class C subnet to VE
Posted by vaverin on Wed, 09 Jan 2008 09:35:36 GMT
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Are You use venet device? In this case just try to use veth interface.

thank you,
Vasily Averin

Subject: Re: Routing Class C subnet to VE
Posted by zvnepo on Thu, 10 Jan 2008 20:51:11 GMT
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K, so considering this a "untrusted" environment, is veth a safe route to go? Would the veth device on the host need bridged to eth0 on the host to have the class C routed correctly, or is there some method of routing the block w/o bridging the devices?

Subject: Re: Routing Class C subnet to VE
Posted by vaverin on Fri, 11 Jan 2008 07:05:22 GMT
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I'm not sure that I understand your question correctly. Waht do you mean under "safe" routing?

With veth interface you will need to bridge it to eth0 interface -- in this case all eth0 traffic will be visible inside VE and you do not need to tune some routing on hardware system.

thank you,
Vasily Averin

Subject: Re: Routing Class C subnet to VE
Posted by zvnepo on Mon, 14 Jan 2008 04:02:45 GMT

K, let us re-phrase... if the VE should not be able to see all traffic on eth0, then veth is not a feasible option. So if venet is the only option, is there a way to route an entire subnet by static route to the VE via venet? Or must one bind each address via --ipadd option to the VE?

Subject: Re: Routing Class C subnet to VE
Posted by vaverin on Mon, 14 Jan 2008 05:05:38 GMT

venet drops the packets to/from wrong IP, therefore You need assign all adresses to VE via --ipadd option.

Also you can try to use veth without any bridges and route the required packets to this interface directly. (and continue using of venet interface for usual communications)

thank you,
Vasily Averin

Subject: Re: Routing Class C subnet to VE
Posted by zvnepo on Mon, 14 Jan 2008 05:09:14 GMT

OK, so if we understand correctly, using veth w/o bridging, a static route can be setup from eth0 on the host to the VE vethVEID.0 device? That would be a more secure solution. Now to just figure out the static route needed.

Subject: Re: Routing Class C subnet to VE
Posted by vaverin on Mon, 14 Jan 2008 05:20:30 GMT

Yes.
I've not checked this configuration but I expect it should work.

thank you,
Vasily Averin