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Subject: VZ networking/routing  
Posted by [slhost](#) on Sat, 15 Oct 2005 19:07:52 GMT  
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Can anyone explain how the networking/routing is setup in VZ and what technologies are used? Mainly, I'd like to know how venet0 is setup and what kind of device it is. I can see from scripts how VZ adds a static route and sends out arp replies to neighbors to update arp cache, but I suspect there is more to it than that. Any help in understanding this would be great because I hate being clueless about a product I use.

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Subject: Re: VZ networking/routing  
Posted by [vaverin](#) on Sun, 16 Oct 2005 08:13:52 GMT  
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venet looks like a virtual Point-to-Point connection between VPS and VE0 (hostOS)  
So that VPS IP can be seen from outside you need to add the route on VE0

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Subject: Re: VZ networking/routing  
Posted by [slhost](#) on Sun, 16 Oct 2005 14:28:52 GMT  
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The thing that boggles my mind is how you can reach VZPP on the IP assigned to a VE when the VE isn't mounted. I've tried setting up a virtual network device like VZ does including setting up the route with a src IP of that virtual device and sent out arp notices as well like I see they do. Nothing I do allows me to trace the IP to the src IP. I'm just trying to get a grip on this because it's very interesting to me. Below are commands I've used to test this.

1. Create a virtual device first, we'll call it virt0 and bring it up.
2. `ip route add 192.168.1.2 dev virt0 src 192.168.1.3`
3. `ip neigh add proxy 192.168.1.2 dev eth0`
4. `/usr/sbin/arpd -c 1 -w 1 -U -i 192.168.1.2 -e 192.168.1.2 virt0`

Perhaps this goes beyond the discussions of this board, but I thought someone might know here how exactly to set something like this up for an example of how it works with VZ.

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Subject: Re: VZ networking/routing  
Posted by [dev](#) on Thu, 20 Oct 2005 18:05:09 GMT  
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heh  
VZPP is commercial VZ feature, sorry... it is our small know-how ...  
do you want to implement a similar offline management?

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Subject: Re: VZ networking/routing  
Posted by [slhost](#) on Tue, 25 Oct 2005 15:43:48 GMT  
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Yes, I'd like to implement a similiar setup for my own benefit. I can certainly come up with other ideas, but this interests me and I'd like to use it if I can get it to work.

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