Subject: 2 interfaces on VE, each using a separate routes
Posted by jyap on Wed, 14 Mar 2007 10:29:56 GMT
View Forum Message <> Reply to Message

Hi people.

Firstly, thanks for OpenVZ. I really appreciate the hard work put
into the community aspects. Very impressed to see how far OpenVZ has
come since it's launch.

I have a VE that I've added 2 IP's to. Both on different networks.
This was by using the default --ipadd option of vzctl.
eg.
10.0.0.9
192.168.1.9

On the Host I have set up Source based routing according to the
example on the page:
 http://gflug.net/~mdmartz/index.php/Linux:Network:DualNetRou teHack
eg.
eth0 - 10.0.0.5 - Default route --> 10.0.0.1
eth1 - 192.168.1.5 - Default route --> 191.168.1.1

On the Host, I am able to ping both default routes. On the VE, I can
only ping the first default gateway, 10.0.0.1. I'm unable to ping
192.168.1.1.

Is it possible to have 2 interfaces on a VE, each using a separate
route? Feel free to just outline the general concept of what I have
to do :). Any help would be greatly appreciated.

Thanks,

Julian

Subject: Re: 2 interfaces on VE, each using a separate routes
Posted by Andrey Mirkin on Wed, 14 Mar 2007 13:31:58 GMT
View Forum Message <> Reply to Message

Hello,

Can you, please, try to ping from VE using following command:
ping 192.168.1.1 -I 192.168.1.9

The thing is that ping takes the first IP address from interface as default.

On Wednesday 14 March 2007 13:29 Julian Yap wrote:

> Hi people.
>
> Firstly, thanks for OpenVZ. I really appreciate the hard work put
> into the community aspects. Very impressed to see how far OpenVZ has
> come since it's launch.
>
> I have a VE that I've added 2 IP's to. Both on different networks.
> This was by using the default --ipadd option of vzctl.
> eg.
> 10.0.0.9
> 192.168.1.9
>
> On the Host I have set up Source based routing according to the
> example on the page:
> http://gflug.net/~mdmartz/index.php/Linux:Network:DualNetRou teHack
> eg.
> eth0 - 10.0.0.5 - Default route --> 10.0.0.1
> eth1 - 192.168.1.5 - Default route --> 191.168.1.1
>
> On the Host, I am able to ping both default routes. On the VE, I can
> only ping the first default gateway, 10.0.0.1. I'm unable to ping
> 192.168.1.1.
>
> Is it possible to have 2 interfaces on a VE, each using a separate
> route? Feel free to just outline the general concept of what I have
> to do :). Any help would be greatly appreciated.
>
> Thanks,
>
> Julian

Subject: Re: 2 interfaces on VE, each using a separate routes
Posted by jyap on Wed, 14 Mar 2007 18:41:46 GMT
View Forum Message <> Reply to Message

That works for me.

Doing more testing, when I take out the global default route on the
Host (10.0.0.1) I can't ping 10.0.0.x from the VE. It's as if the VE
inherits only the global default route from the Host. However, when I
take out the global default route, I am able to ping external IPs on
the internet.

The VE automatically specifies its default gateway as 192.0.2.1
(through /etc/sysconfig/network). I'm not sure if that's related.

- Julian

On 3/14/07, Andrey Mirkin <amirkin@sw.ru> wrote:
> Hello,
>
> Can you, please, try to ping from VE using following command:
> ping 192.168.1.1 -I 192.168.1.9
>
> The thing is that ping takes the first IP address from interface as default.
>
> On Wednesday 14 March 2007 13:29 Julian Yap wrote:
> > Hi people.
> >
> > Firstly, thanks for OpenVZ. I really appreciate the hard work put
> > into the community aspects. Very impressed to see how far OpenVZ has
> > come since it's launch.
> >
> > I have a VE that I've added 2 IP's to. Both on different networks.
> > This was by using the default --ipadd option of vzctl.
> > eg.
> > 10.0.0.9
> > 192.168.1.9
> >
> > On the Host I have set up Source based routing according to the
> > example on the page:
> > http://gflug.net/~mdmartz/index.php/Linux:Network:DualNetRou teHack
> > eg.
> > eth0 - 10.0.0.5 - Default route --> 10.0.0.1
> > eth1 - 192.168.1.5 - Default route --> 191.168.1.1
> >
> > On the Host, I am able to ping both default routes. On the VE, I can
> > only ping the first default gateway, 10.0.0.1. I'm unable to ping
> > 192.168.1.1.
> >
> > Is it possible to have 2 interfaces on a VE, each using a separate
> > route? Feel free to just outline the general concept of what I have
> > to do :). Any help would be greatly appreciated.
> >
> > Thanks,
> >
> > Julian

Subject: Re: 2 interfaces on VE, each using a separate routes
Posted by Julian Yap on Wed, 14 Mar 2007 19:32:45 GMT
View Forum Message <> Reply to Message

That works for me.

Doing more testing, when I take out the global default route on the
Host (10.0.0.1) I can't ping 10.0.0.x from the VE. It's as if the VE
inherits only the global default route from the Host. However, when I
take out the global default route, I am able to ping external IPs on
the internet.

The VE automatically specifies its default gateway as 192.0.2.1
(through /etc/sysconfig/network). I'm not sure if that's related.

- Julian

On 3/14/07, Andrey Mirkin <amirkin@sw.ru> wrote:
> Hello,
>
> Can you, please, try to ping from VE using following command:
> ping 192.168.1.1 -I 192.168.1.9
>
> The thing is that ping takes the first IP address from interface as default.
>
> On Wednesday 14 March 2007 13:29 Julian Yap wrote:
> > Hi people.
> >
> > Firstly, thanks for OpenVZ. I really appreciate the hard work put
> > into the community aspects. Very impressed to see how far OpenVZ has
> > come since it's launch.
> >
> > I have a VE that I've added 2 IP's to. Both on different networks.
> > This was by using the default --ipadd option of vzctl.
> > eg.
> > 10.0.0.9
> > 192.168.1.9
> >
> > On the Host I have set up Source based routing according to the
> > example on the page:
> > http://gflug.net/~mdmartz/index.php/Linux:Network:DualNetRou teHack
> > eg.
> > eth0 - 10.0.0.5 - Default route --> 10.0.0.1
> > eth1 - 192.168.1.5 - Default route --> 191.168.1.1
> >
> > On the Host, I am able to ping both default routes. On the VE, I can
> > only ping the first default gateway, 10.0.0.1. I'm unable to ping
> > 192.168.1.1.
> >
> > Is it possible to have 2 interfaces on a VE, each using a separate
> > route? Feel free to just outline the general concept of what I have
> > to do :). Any help would be greatly appreciated.
> >
> > Thanks,

> >
> > Julian

Subject: Re: 2 interfaces on VE, each using a separate routes
Posted by Andrey Mirkin on Thu, 15 Mar 2007 07:27:27 GMT
View Forum Message <> Reply to Message

Can you, please, send your ip configuration and route tables on host node and
in VE (ip a ls, ip r ls).

Regards,
Andrey

On Wednesday 14 March 2007 21:41 Julian Yap wrote:
> That works for me.
>
> Doing more testing, when I take out the global default route on the
> Host (10.0.0.1) I can't ping 10.0.0.x from the VE. It's as if the VE
> inherits only the global default route from the Host. However, when I
> take out the global default route, I am able to ping external IPs on
> the internet.
>
> The VE automatically specifies its default gateway as 192.0.2.1
> (through /etc/sysconfig/network). I'm not sure if that's related.
>
> - Julian
>
> On 3/14/07, Andrey Mirkin <amirkin@sw.ru> wrote:
> > Hello,
> >
> > Can you, please, try to ping from VE using following command:
> > ping 192.168.1.1 -I 192.168.1.9
> >
> > The thing is that ping takes the first IP address from interface as
> > default.
> >
> > On Wednesday 14 March 2007 13:29 Julian Yap wrote:
> > > Hi people.
> > >
> > > Firstly, thanks for OpenVZ. I really appreciate the hard work put
> > > into the community aspects. Very impressed to see how far OpenVZ has
> > > come since it's launch.
> > >
> > > I have a VE that I've added 2 IP's to. Both on different networks.
> > > This was by using the default --ipadd option of vzctl.
> > > eg.
> > > 10.0.0.9

> > > 192.168.1.9
> > >
> > > On the Host I have set up Source based routing according to the
> > > example on the page:
> > > http://gflug.net/~mdmartz/index.php/Linux:Network:DualNetRou teHack
> > > eg.
> > > eth0 - 10.0.0.5 - Default route --> 10.0.0.1
> > > eth1 - 192.168.1.5 - Default route --> 191.168.1.1
> > >
> > > On the Host, I am able to ping both default routes. On the VE, I can
> > > only ping the first default gateway, 10.0.0.1. I'm unable to ping
> > > 192.168.1.1.
> > >
> > > Is it possible to have 2 interfaces on a VE, each using a separate
> > > route? Feel free to just outline the general concept of what I have
> > > to do :). Any help would be greatly appreciated.
> > >
> > > Thanks,
> > >
> > > Julian