
Subject: Re: vps from different Hardware Nodes can't access each others
Posted by [Marc Olive](#) on Fri, 01 Apr 2011 06:15:01 GMT
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On Thursday 31 March 2011 19:22:47 John Spanos wrote:

> Hello ppl

Hello,

> I am new in mailing list but i face a strange situation and i need your
> help to fix it... let me explain

>

> i have two hardware nodes

>

> HN1 --> OS:CentOS --> ip_address:192.168.1.1/24

> HN2 --> OS:CentOS --> ip_address:192.168.1.2/24

>

> i have four vps on each Hardware Node

>

> vps01_hn1 --> running_on: HN1 --> OS:Debian --> ip_address:192.168.1.100/24

> vps02_hn1 --> running_on: HN1 --> OS:Debian --> ip_address:192.168.1.101/24

> vps03_hn1 --> running_on: HN1 --> OS:Debian --> ip_address:192.168.2.100/24

> vps04_hn1 --> running_on: HN1 --> OS:Debian --> ip_address:192.168.2.101/24

>

> vps01_hn2 --> running_on: HN2 --> OS:Debian --> ip_address:192.168.1.102/24

> vps02_hn2 --> running_on: HN2 --> OS:Debian --> ip_address:192.168.1.103/24

> vps03_hn2 --> running_on: HN2 --> OS:Debian --> ip_address:192.168.2.102/24

> vps04_hn2 --> running_on: HN2 --> OS:Debian --> ip_address:192.168.2.103/24

>

>

> so here is my situation

>

> when i try to ping or trace from vps01_hn1 to any other vps i am taking a

> normal response when i try to ping or trace from vps03_hn1 to any vps on

> HN1 i get a response but from HN2 i get response only from vps01_hn2 and

> vps02_hn2. the same situation from HN2 vps, vps01_hn2 and vps02_hn2 can

> ping everyone but vps03_hn2 and vps04_hn2 can't ping vps vps03_hn1 and

> vps04_hn1.

>

> I don't have any iptables.

> any ideas??

You have mixed (sub)nets on each HN, 192.168.1.x and 192.168.2.x. How did you routed between subnets/hosts?

Also, if you randomly mix subnets IPs, like 192.168.2.100 on HN1 and 192.168.2.102 on HN2 then routing tables will be a bit hard, you will need a route for every node instead having one route for every net.

I don't know your needs, but splitting subnets in a different way will be easier to manage, for example 192.168.1.x for HNs, 192.168.2.x for VPx_HN1 and 192.168.3.x for VPx_HN2. This way you can route whole subnets to his HN-gateway, instead of routing individual VPs as you will have to do with the configuration you have now.

You should read some docs about routing and net-splitting.

Regards,

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