
Subject: Redirect traffic from a specific hostname to a specific VE ?

Posted by [int64](#) on Sat, 02 Aug 2008 07:24:00 GMT

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Hello, I am new to using openVZ and need some help already

I have installed openVZ on a CentOS 5.2 host machine and created a CentOS VE.

I have a dynamic DNS domain name from dyndns.org, is there any way that I can route that hostname to the specific VE?

I set the FQDN and hostname to that of the dyndns.org domain name but when I try to connect to SSH on that FQDN it will login to the host system and not the specific VE :S

I have been searching Google about iptables but I am not sure if they work with hostnames :S

To explain things easier :

This is what I am trying to do :

```
[HOST BOX : 192.168.1.100]
```

```
- |_vm1 (192.168.1.101)_| <----- host1.dyndns.org  
- |_vm2 (192.168.1.102)_| <----- host2.dyndns.org  
- |_vm3 (192.168.1.103)_| <----- host3.dyndns.org  
- |_vm4 (192.168.1.104)_| <----- host4.dyndns.org  
- |_vm5 (192.168.1.105)_| <----- host5.dyndns.org
```

This is what happens :

```
|----- host1.dyndns.org  
|----- host2.dyndns.org  
|----- host3.dyndns.org  
|----- host4.dyndns.org  
|----- host5.dyndns.org  
|  
\  
.V
```

```
[HOST BOX : 192.168.1.100]
```

```
- |_vm1 (192.168.1.101)_|  
- |_vm2 (192.168.1.102)_|  
- |_vm3 (192.168.1.103)_|  
- |_vm4 (192.168.1.104)_|  
- |_vm5 (192.168.1.105)_|
```

host1.dyndns.org though host5.dyndns.org all have the same external ip of the host (x.x.x.x).

I was wondering if there was a way for the host machine to redirect traffic to the appropriate VE's according to the hostname?

Thanks for any help!! I am very confused about this .

Subject: Re: Redirect traffic from a specific hostame to a specific VE ?

Posted by [int64](#) on Tue, 05 Aug 2008 09:50:13 GMT

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hmm it seems that not all protocols (ftp/ssh/ etc..) are "hostname aware" with the exception of HTTP/S. Thus, to overcome this, I simply modified the ports that services run on so all the VE's are happy.

>> [FOR OTHER SERVICES (SSH/FTP/etc)]

I set SSH for VE1 to listen on port 2222.

Below is simple DNAT iptable to route the traffic

```
# iptables -t nat -A PREROUTING -p tcp -d 192.168.1.100 --dport 2222 \  
-i eth0 -j DNAT --to-destination 192.168.1.101:2222
```

```
let,  
HN ip = 192.168.1.100  
dport = HN port (public port)  
VE destination = 192.168.1.101  
VE Destination Port = 2222
```

this isn't that fun to do, but if you have only one public IP its the only thing you can do.

>> [FOR HTTP/S]

HTTP protocol is different, you can set up a reverse proxy on the HN to sort traffic to appropriate VE.

some reverse proxies I've heard of are pound or pen , but I'm sure you can find more online!

good luck!
