Subject: creating partition for VE and networking
Posted by Markus Hardiyanto on Fri, 20 Apr 2007 09:14:44 GMT
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Hello,

I'm new in openvz. yesterday I'm succeeded installing openvz on centos 4.4 and can make openvz run. my question is how to make partition inside the VE? when i execute this commands:

```
# vzctl enter 101
# entered into VE 101
# df -h
Filesystem           Size  Used Avail Use% Mounted on
simfs                1.0G   95M  930M  10% /
```

you see there is only one partition /, how can i make /boot, /, /home, /tmp partition separately inside the VE?

next question is how to make the VE accessible from the internet? while i already supply a public IP for the VE:
vzctl set 101 --ipadd xxx.xxx.xxx.xxx --save

but when i try to ping it from my laptop, it can't be reached. i do can ping the physical node. what should i configure?
i saw in the wiki about creating NAT, but that is for private IP while in my case i want to use public IP for my VEs. please advise.

thanks

Best Regards,
Markus

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Subject: Re: creating partition for VE and networking
Posted by Vasily Tarasov on Fri, 20 Apr 2007 10:44:35 GMT
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Hello,

Markus Hardiyanto wrote:
> Hello,
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>
> # vzctl enter 101
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> Filesystem Size Used Avail Use% Mounted on
> simfs 1.0G 95M 930M 10% /
>
> you see there is only one partition /, how can i make /boot, /, /home, /tmp partition separately inside the VE?

I don't quite understand what do you want? =) In order to mount some
filesystem on any directory in VE just use usual mount. However the list
of filesystems, that you can use in VE is limited (look at
/proc/filesystems in VE, sysfs and nfs can be added via `vzctl set
<veid> --features` command).

Every real fs is deployed on some device. Usually VE doesn't use such
devices (like /dev/sda1, ...). But you can give VE an access to the
device via `vzctl set <veid> --devnodes`. Note, that this is the same
device, that is on your host node: some partion on your HN for example,
so deleting files from it will remove files from the host.

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check, that /proc/sys/net/ipv4/ip_forwarding contents "1"

>
> thanks
>
>
> Best Regards,
> Markus
>
>
>
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Subject: Re: creating partition for VE and networking
Posted by Markus Hardiyanto on Fri, 20 Apr 2007 11:05:55 GMT
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i want to make separate partitions inside the VE, is that possible?

so instead of getting this:

> Filesystem Size Used Avail Use% Mounted on
> simfs 1.0G 95M 930M 10% /

i would like to see something like:

Filesystem Size Used Avail Use% Mounted on
simfs 1.0G 95M 930M 10% /
<something> 2.0G 20M 1.9G 1% /home
<something> 75M 8M 67M 1% /boot

virtual partition i say.. this is not the hardware node partition, but in the VE

> check, that /proc/sys/net/ipv4/ip_forwarding contents "1"

i check it and can't find it. but i found: /proc/sys/net/ipv4/ip_forward and it have contents "1"
but still the VE can't be pinged from other computer.

Best Regards,
Markus

----- Original Message ----
From: Vasily Tarasov <vtaras@openvz.org>
To: informatics2k1@yahoo.com
Cc: users@openvz.org
Sent: Friday, April 20, 2007 5:44:35 PM
Subject: Re: [Users] creating partition for VE and networking

Hello,

Markus Hardiyanto wrote:
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openvz run. my question is how to make partition inside the VE? when i execute this commands:
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> Markus
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---

Subject: Re: creating partition for VE and networking
Posted by Markus Hardiyanto on Sat, 21 Apr 2007 06:20:55 GMT
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the ability to make a vps can access devices on the HN seems can answer my requirement. but to make it more complex, i want to use LVM for the partitioning.

is there any example on how to give a VE access to LVM partition?

Best Regards,
Markus

----- Original Message ----
From: Vasily Tarasov <vtaras@openvz.org>
To: informatics2k1@yahoo.com
Cc: users@openvz.org
Sent: Friday, April 20, 2007 5:44:35 PM
Subject: Re: [Users] creating partition for VE and networking

Every real fs is deployed on some device. Usually VE doesn't use such
devices (like /dev/sda1, ...). But you can give VE an access to the
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device, that is on your host node: some partion on your HN for example,
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---

Subject: Re: creating partition for VE and networking
Posted by Daniel Pittman on Sat, 21 Apr 2007 08:16:17 GMT
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Markus Hardiyanto <informatics2k1@yahoo.com> writes:

> the ability to make a vps can access devices on the HN seems can
> answer my requirement.

I really don't think your requirement is a good idea. Can you explain
why you want to do things that way?

> but to make it more complex, i want to use LVM for the partitioning.

That isn't any more complex: Linux treats LVM block devices in the same
fashion it treats any other block device, permissions included.

> is there any example on how to give a VE access to LVM partition?

vzctl set <veid> --devnodes 'mapper/mydevice:rw'

Again, though, I don't think you want to go down this path.

Why do you want to do things this way? There might be a better solution
to your problem.

Regards,
	Daniel
--
Digital Infrastructure Solutions -- making IT simple, stable and secure
Phone: 0401 155 707	email: contact@digital-infrastructure.com.au
		http://digital-infrastructure.com.au/

Subject: Re: creating partition for VE and networking
Posted by Markus Hardiyanto on Sat, 21 Apr 2007 10:50:31 GMT
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because i plan to use cpanel control panel and need to secure /tmp (mount it with noexec)

Best Regards,
Markus

----- Original Message ----
From: Daniel Pittman <daniel@rimspace.net>
To: users@openvz.org
Sent: Saturday, April 21, 2007 3:16:17 PM
Subject: Re: [Users] creating partition for VE and networking

> is there any example on how to give a VE access to LVM partition?

 vzctl set <veid> --devnodes 'mapper/mydevice:rw'

Again, though, I don't think you want to go down this path.

Why do you want to do things this way? There might be a better solution
to your problem.

Regards,
	Daniel

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---

Subject: Re: creating partition for VE and networking
Posted by Rudy Setiawan on Sat, 21 Apr 2007 17:17:38 GMT

Hi Markus,

There is a thread about this:
http://forum.openvz.org/index.php?t=msg&goto=1339

I hope this helps :)

Regards,
Rudy

Markus Hardiyanto wrote:
> because i plan to use cpanel control panel and need to secure /tmp (mount it with noexec)
>
> Best Regards,
> Markus
>
>
> ----- Original Message ----
> From: Daniel Pittman <daniel@rimspace.net>
> To: users@openvz.org
> Sent: Saturday, April 21, 2007 3:16:17 PM
> Subject: Re: [Users] creating partition for VE and networking
>
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>> is there any example on how to give a VE access to LVM partition?
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> Regards,
>   Daniel
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>
>
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---

Subject: Re: creating partition for VE and networking
Posted by Daniel Pittman on Sun, 22 Apr 2007 00:27:39 GMT

Markus Hardiyanto <informatics2k1@yahoo.com> writes:

> because i plan to use cpanel control panel and need to secure /tmp
> (mount it with noexec)

You might want to consider using a boring mount script for the VE that puts a small, limited 'tmpfs' into /tmp on that system. That might allow you to bypass the direct disk requirement -- and has the bonus that whatever junk hosted sites dump into /tmp doesn't hang about forever.

Also, I trust you are already aware that noexec doesn't actually prevent storing and running any of the scripted exploits in /tmp:

```
/bin/sh /tmp/i-is-a-leet-haxer.sh
```

Regards,
Daniel
--
Digital Infrastructure Solutions -- making IT simple, stable and secure
Phone: 0401 155 707 email: contact@digital-infrastructure.com.au
http://digital-infrastructure.com.au/

Subject: Re: creating partition for VE and networking
Posted by Markus Hardiyanto on Sun, 22 Apr 2007 05:00:00 GMT

yes, i already know that. but still small addition on security is better than nothing :)

Best Regards,
Markus

----- Original Message ----
From: Daniel Pittman <daniel@rimspace.net>
To: users@openvz.org
Sent: Sunday, April 22, 2007 7:27:39 AM
Subject: Re: [Users] creating partition for VE and networking

Also, I trust you are already aware that noexec doesn't actually prevent storing and running any of the scripted exploits in /tmp:

```
/bin/sh /tmp/i-is-a-leet-haxer.sh
```

Regards,
Daniel

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Subject: Re: creating partition for VE and networking
Posted by Markus Hardiyanto on Sun, 22 Apr 2007 05:01:14 GMT
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Hi Rudy,

I already bookmark that page, thanks for pointing out.

Best Regards,
Markus

----- Original Message ----
From: Rudy Setiawan <rudy@rudal.com>
To: users@openvz.org
Sent: Sunday, April 22, 2007 12:17:38 AM
Subject: Re: [Users] creating partition for VE and networking

Hi Markus,

There is a thread about this:
http://forum.openvz.org/index.php?t=msg&goto=1339

I hope this helps :)

Send instant messages to your online friends http://uk.messenger.yahoo.com