
Subject: Re: openvz naming conventions; numeric vs symbolic

Posted by [kir](#) on Wed, 15 Aug 2007 21:00:06 GMT

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Steve Wray wrote:

> Kir Kolyshkin wrote:

>> See vzctl set --name

>>

>

> Well thats a nice start.

>

> Now, to follow on from that great progress, how do I get it so that

> the directory where the root filesystem lives corresponds to the name

> I set instead of the numeric VEID?

No standard way.

I guess you can create a symlink; something like this:

```
vzctl set $VEID --name $VENAME --save
```

```
(cd /vz/root && ln -s $VEID $VENAME)
```

Same for /vz/private if you need it.

>

> Thanks!

>

>

>> Steve Wray wrote:

>>

>>> Hi there,

>>> I'm a long time user of Xen virtualisation and have been evaluating

>>> OpenVZ as a replacement for certain applications.

>>>

>>> OpenVZ appears to be technically superior under certain conditions and

>>> I hope to iron out the issues that I have come across.

>>>

>>> The main issue confronting me at this time is scalability of

>>> management; OpenVZ may scale well with respect to performance and

>>> resource usage but at this time I don't see it scaling well when it

>>> comes to management of virtual machines.

>>>

>>> I am sure that I must be missing something obvious since its a pretty

>>> basic issue. I've searched extensively for some info on this but found

>>> nothing.

>>>

>>> The problem?

>>>

>>> Numeric rather than symbolic identification of virtual machines.

>>>

>>> When I start a domU (a Xen virtual machine) in Xen I direct 'xm

>>> create' at the config file the name of which corresponds to the name
>>> of that domU.
>>>
>>> When I list currently running machines in Xen I see a listing of the
>>> names of the Xen domUs and their corresponding numeric IDs.
>>>
>>> When I create a logical volume for a Xen domU I create that volume
>>> based on the name of the corresponding Xen instance.
>>>
>>> In each case I try to ensure consistency by making the names of the
>>> Xen domUs correspond to the hostnames of the servers which those domUs
>>> are running. Host foo is on the domU named foo and is in a logical
>>> volume named foo. To start domU foo I run 'xm create
>>> /etc/xen/domains/foo.conf'. This scales well and makes things very
>>> nice and obvious.
>>>
>>> OpenVZ seems to do away with symbolic names referring in all instances
>>> to numeric ids, a bit like not using DNS but putting an IP address
>>> into a URL.
>>>
>>> I have an awful feeling that when the pager goes off at 2am the person
>>> on call, bleary-eyed and tired, will make some horrible mistake when
>>> trying to mentally map numeric identifiers to server hostnames. This
>>> is what I mean by 'not scaling well'. Use of numeric identifiers may
>>> work ok when there is only one or two, but when there may be a dozen
>>> things will get out of hand.
>>>
>>> I am sure that there must be a way to use symbolic names instead of
>>> numbers in OpenVZ but I can't for the life of me find out how.
>>>
>>> Thanks!
>>>
>>>
>>>
