
Subject: Re: Mainstream progress?

Posted by [Pavel Emelianov](#) on Thu, 13 Mar 2008 13:20:35 GMT

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Kir Kolyshkin wrote:

> Pavel,

>

> Please correct/enlarge me if there's anything missing/incorrect.

>

> Carl-Daniel Hailfinger wrote:

>> Hi,

>>

>> the ongoing merge of OpenVZ-based lightweight virtualization into
>> mainline Linux seems to be progressing nicely and I have a few questions
>> about it:

>> - How usable will net namespaces be in 2.6.25? I'm especially interested
>> in assigning a real hardware ethernet device to a VE.

>>

>

> I guess some network namespace stuff is NOT completed in upcoming 2.6.25
> (a lot of stuff done, but not finished)

>

> For 2.6.26, it will be more-or-less working, with just a few exceptions
> such as conntracks and IPv6 -- maybe.

>

>> - Will there be an OpenVZ patch or against 2.6.25?

>>

>

> As of now we do not plan to have one. Porting to each mainstream version
> is too much work to do -- instead we concentrate on

> (1) merging stuff to mainstream

> (2) supporting our stable kernels

> (3) stabilizing 2.6.24 (for now)

2.6.26 will be the next kernel we will port on.

>> - Do you expect net namespace/virtualization work to be completely
>> merged in 2.6.26?

>>

>

> As said before, we guess that network namespaces will be more or less
> useable in 2.6.26.

>

>> - Which OpenVZ features will not make it to mainline in the 2.6.26
>> timeframe?

>>

>

> A lot. Network namespaces is just one piece of a pie.

- >
- > To paint in big strokes: resource management and live migration are
- > still on our todo list.
- >
- > Resource management: some stuff is in -mm kernel, need to add much more.
- > Will work on that after finishing with net namespaces.

Memory management will change with 2.6.26. API will be kept, but we'll have a per-ve swapout and (probably) drop privvmpages accounting.

- > Live migration: this is much more far perspective, we haven't even
 - > started to discuss that seriously on containers@ list.
 - >> Some of the questions above probably can't be answered without guessing,
 - >> but a good guess is better than no information and I'd appreciate any
 - >> status update newer than the OpenVZ blog entry from 2008-01-26.
 - >>
 - >> Thanks,
 - >> Carl-Daniel
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