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Subject: Re: Mainstream progress?

Posted by [kir](#) on Thu, 13 Mar 2008 12:12:12 GMT

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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)

> - 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.

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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