Subject: Infiniband Support
Posted by randolph on Wed, 23 Nov 2011 04:05:37 GMT
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I'm using OpenVZ to virtualise a MPP cluster and its great.

However I can;t get native infiniband user space protocols to work inside my containers.
The IPoIB works fine but I need OpenMPI to access the lower level protocols on the VM

The OFED.org ste indicates that virtualisation is supported on the card, so it *SHOULD* be possible under OpenVZ.
A overview of IB virtualisation is available here:
www.mellanox.com/pdf/whitepapers/WP_Virtualize_with_IB.pdf

To try and hack a test VM into compliance I have even tried linking the proc and sys filesystems to the host (yuk), but I still cant get basic driver recognition in VM user space.

All drivers are installed on the VM but modprobe can't find some of them - no idea why.
I am using the Melanox version of OFED 1.5.3.1.0.0.2 on Centos 5.7 (host and VM).
Any ideas?

Is there any plan to implement a module equivalent of Xen-IB module?

I am desperate to solve this, if it cant be done, I will have to use a different virtualisation system.

Thanks in advance,
Randolph