Subject: Re: ovzkernels not booting - where to look first
Posted by khorenko on Thu, 02 Aug 2007 06:49:37 GMT
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1) may be the question is a bit late, but still: and what do you want to do globally? Why do you want to upgrade the kernel? Do you want just a kernel which can support more than 4 Gb RAM? If yes, you can safely use the enterprise kernel from 2.6.9 branch (e.g. ovzkernel-enterprise-2.6.9-023stab044.4.i686.rpm). It should work fine.
Or you just want to use the most modern kernel?

2) i still think that the problem with 2.6.18 kernels is in initrd.
i just tried to reproduce: took a RHEL4.3 and tried to install 2.6.18 OVZ kernel. The boot failed - unable to find root.
i haven't had a time to get the reason and don't know the exact solution how to fix this - i'll certainly do this but later.

At the moment i've done a workaround - took a CentOS5 node, install there the same OVZ kernel and just copy an initrd to the RHEL4.3 node. It works. You can try the same while i'm looking for the correct solution.

Note: to make sure the initrd created on the CentOS5 node contains all the modules required on your RHEL4 node it's better to recreate initrd manually (on the CentOS5 node):
mkinitrd -v -f /boot/initrd-2.6.18-8.1.8.el5.028stab039.1PAE.img 2.6.18-8.1.8.el5.028stab039.1PAE --preload=scsi_mod --preload=sd_mod --preload=3w-xxxx

3) if nothing helps please provide me access to the node, i'll try to boot the kernel. Of course the permission to reboot is required. :\ And if my described workaround won't workout, we have to get the ability to collect the logs somehow. Just find a COM-to-COM cable and connect this node with any other (preferably Linux, but not required). We can help you to configure it later.

You can safely send the access through the private messaging. Just one more thing: i'll be unavailable in a few days so please, if you'll send something private, send the copy to Vasily (vaverin), he can help you too.

Thank you,
Konstantin.