Subject: Re: Panic when booting from iSCSI
Posted by tlaine on Thu, 08 Dec 2011 15:34:33 GMT

Hi,

I have couple of dozen diskless IBM HS21&22 blades running openvz on CentOs5 from iSCSI + multipath. I don't know whether you have a solution or not, but here it is.

The problem is not your network adapter. I boot with Broadcom NetXtreme and NetXtreme II chips, and they all fail like yours. There is something different with RH/CentOS stock kernel and openvz kernel, which prevents the network command of nash functioning correctly. The modules get loaded and adapters initiated, but that's it. The initrd initscript never gets the adapters configured - no network, no iscsi, panic.

Solution is to configure the adapters with something else than the standard nash. This works for me: Extract the initrd to a temporary directory. Edit init, and replace the network lines with ifconfig so that you have something like:

netname XX:XX:XX:XX:XX:XX eth2
netname YY:YY:YY:YY:YY:YY eth3
/bin/ifconfig eth2 up 172.24.2.106
/bin/ifconfig eth3 up 172.24.3.106
/bin/ifconfig eth2 netmask 255.255.255.0
/bin/ifconfig eth3 netmask 255.255.255.0
sleep3

then check that you have the iscsistart lines after those ifconfigs:

...
/bin/iscsistart -t iqn.blaa -i iqn.blaablaa -g 1 -a 172.24.2.1
...

Copy statically linked busybox into initrds /bin and make a symlink ifconfig -> busybox into the same directory.

Repack the initrd and reboot.