Subject: *SOLVED* HP DL 145 slooooooow with openvz kernels
Posted by ugob on Wed, 23 May 2007 14:40:23 GMT
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Hi,

We installed openvz on an HP DL 145 and whenever we use an openvz kernel, a simple I/O operation is about 10 times slower than using the centos stock kernel.

[root@vz1 ~]# date;vzdump --restore /home/ugob/vzdump-104.tgz 105;date
Wed May 23 10:24:13 EDT 2007
extracting archive '/home/ugob/vzdump-104.tgz'
extracting configuration to '/etc/vz/conf/105.conf'
restore successful
Wed May 23 10:35:54 EDT 2007

Normally, this takes less than 1 minute on a stock kernel. I also tested on a less powerfull machine, and it also runs in about 1 minute.

Kernels tried:

2.6.18-8.el5.028stab031.1 #1 SMP Sat Apr 28 00:38:07 MSD 2007 i686 athlon i386 GNU/Linux

ovzkernel-PAE.i686

Also, the system remains slow after this operation... It looks like processses remain hung, like this one:
root 10809 0.0 0.0 1568 468 ? Ds 10:30 0:00 /usr/lib/sa/sadc -F -L 1 1 /var/log/sa/sa23

(it is now 10.39 and this command should take less than 1 sec to execute...)

Here is the output of lspci.

00:00.0 Memory controller: nVidia Corporation CK804 Memory Controller (rev a3)
00:01.0 ISA bridge: nVidia Corporation CK804 ISA Bridge (rev a3)
00:01.1 SMBus: nVidia Corporation CK804 SMBus (rev a2)
00:02.0 USB Controller: nVidia Corporation CK804 USB Controller (rev a2)
00:02.1 USB Controller: nVidia Corporation CK804 USB Controller (rev a3)
00:06.0 IDE interface: nVidia Corporation CK804 IDE (rev a2)
00:08.0 IDE interface: nVidia Corporation CK804 Serial ATA Controller (rev a3)
00:09.0 PCI bridge: nVidia Corporation CK804 PCI Bridge (rev a2)
00:0c.0 PCI bridge: nVidia Corporation CK804 PCIE Bridge (rev a3)
00:0d.0 PCI bridge: nVidia Corporation CK804 PCIE Bridge (rev a3)
00:0e.0 PCI bridge: nVidia Corporation CK804 PCIE Bridge (rev a3)
00:18.0 Host bridge: Advanced Micro Devices [AMD] K8 [Athlon64/Opteron] HyperTransport Technology Configuration
00:18.1 Host bridge: Advanced Micro Devices [AMD] K8 [Athlon64/Opteron] Address Map

00:18.2 Host bridge: Advanced Micro Devices [AMD] K8 [Athlon64/Opteron] DRAM Controller
00:18.3 Host bridge: Advanced Micro Devices [AMD] K8 [Athlon64/Opteron] Miscellaneous Control
00:19.0 Host bridge: Advanced Micro Devices [AMD] K8 [Athlon64/Opteron] HyperTransport Technology Configuration
00:19.1 Host bridge: Advanced Micro Devices [AMD] K8 [Athlon64/Opteron] Address Map
00:19.2 Host bridge: Advanced Micro Devices [AMD] K8 [Athlon64/Opteron] DRAM Controller
00:19.3 Host bridge: Advanced Micro Devices [AMD] K8 [Athlon64/Opteron] Miscellaneous Control
01:05.0 VGA compatible controller: nVidia Corporation NV11 [GeForce2 MX/MX 400] (rev b2)
02:00.0 Ethernet controller: Broadcom Corporation NetXtreme BCM5721 Gigabit Ethernet PCI Express (rev 11)
03:00.0 Ethernet controller: Broadcom Corporation NetXtreme BCM5721 Gigabit Ethernet PCI Express (rev 11)
80:01.0 PCI bridge: Advanced Micro Devices [AMD] AMD-8132 PCI-X Bridge (rev 11)
80:01.1 PIC: Advanced Micro Devices [AMD] AMD-8132 PCI-X IOAPIC (rev 11)
80:02.0 PCI bridge: Advanced Micro Devices [AMD] AMD-8132 PCI-X Bridge (rev 11)
80:02.1 PIC: Advanced Micro Devices [AMD] AMD-8132 PCI-X IOAPIC (rev 11)
81:01.0 SCSI storage controller: LSI Logic / Symbios Logic SAS1068 PCI-X Fusion-MPT SAS

Any idea?
