Subject: I/O stall with SuSE 10 Kernel
Posted by lst_hoe01 on Thu, 22 Feb 2007 11:50:15 GMT
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Hello

I have setup a OpenVZ Server for the development with the SuSE 10
Kerenl found at http://openvz.org/download/kernel/suse10/
Teh machine has been running fine until this morning. It first get
insane slow and then simply stops doing any file IO at all. It was not
loaded by any means before and i can found no error messages in the
logfiles. The only way to get the maschine up again was by
power-cycling. The Hardware we are using runs fine on other heavily
loaded SuSE 10 machines :

- Tyan Thunder K8SD Pro with 2xOpteron 248 and 4GB ECC RAM
- ICP Vortex GDT6513RS RAID Controller

No additional PCI cards.

Can anyone give a hint where this problem might come from?

Thanxs

Andreas

Subject: Re: I/O stall with SuSE 10 Kernel
Posted by dev on Thu, 22 Feb 2007 14:23:07 GMT
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Well, in such situations it usually makes sense to check vmstat,
free memory (you can simply load vzwdog module).

But I would recommend you to upgrade to 2.6.18-028test015 kernel.
It has some new features and is our main target as the stable kernel
with long life support.

Thanks,
Kirill

> Hello
>
> I have setup a OpenVZ Server for the development with the SuSE 10
> Kerenl found at http://openvz.org/download/kernel/suse10/
> Teh machine has been running fine until this morning. It first get
> insane slow and then simply stops doing any file IO at all. It was not
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> power-cycling. The Hardware we are using runs fine on other heavily
> loaded SuSE 10 machines :
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> No additional PCI cards.
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> Can anyone give a hint where this problem might come from?
>
> Thanxs
>
> Andreas
>
>

Subject: Re: I/O stall with SuSE 10 Kernel
Posted by lst_hoe01 on Fri, 23 Feb 2007 21:04:17 GMT
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Zitat von Kirill Korotaev <dev@sw.ru>:

> Well, in such situations it usually makes sense to check vmstat,
> free memory (you can simply load vzwdog module).

I had "top" running at the time the machine was freezing, but there was
plenty of RAM (~ 2GB) still free.

> But I would recommend you to upgrade to 2.6.18-028test015 kernel.
> It has some new features and is our main target as the stable kernel
> with long life support.
>
> Thanks,
> Kirill

Is there a SuSE kompatibel rpm or do i have to compile the kernel
myself? It is vital to me that the ICP Controller is supported and i
don't know if the Fedora kernels do.

Thanxs

Andreas

Subject: Re: I/O stall with SuSE 10 Kernel

Posted by Vasily Tarasov on Mon, 26 Feb 2007 10:08:51 GMT
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lst_hoe01@kwsoft.de wrote:
> Is there a SuSE kompatibel rpm or do i have to compile the kernel
> myself? It is vital to me that the ICP Controller is supported and i
> don't know if the Fedora kernels do.
You can install OpenVZ kernel from rpm using --nodeps option. It should work properly! If it doesn't - it is a bug. The second way is to compile kernel yourself.
If your controller is supported by SuSE kernel then with a great chance it is supported by our kernel. If it isn't supported - file a bug to OpenVZ and we probably include support of your device. If you want to know more precisely is your controller supported or note, send us output of `lspci` and `lspci -n` commands and we inform you.

HTH,
Vasily
>
> Thanxs
>
> Andreas
>
>

Subject: Re: I/O stall with SuSE 10 Kernel
Posted by lst_hoe01 on Mon, 26 Feb 2007 10:29:00 GMT
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Zitat von Vasily Tarasov <vtaras@openvz.org>:

> lst_hoe01@kwsoft.de wrote:
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> OpenVZ and we probably include support of your device. If you want to
> know more precisely is your controller supported or note, send us
> output of `lspci` and `lspci -n` commands and we inform you.
>
> HTH,
> Vasily

Hallo

Thanxs for your help. If have included the lspci (-n) and would be glad to here that the device is supported by the latest (standard FC5?) kernel from openvz. It is smaller in size than the SuSE openvz kernel so i was afraid that there are missing some SuSE centric drivers.

Regards

Andreas

Output "lspci"
00:06.0 PCI bridge: Advanced Micro Devices [AMD] AMD-8111 PCI (rev 07)
00:07.0 ISA bridge: Advanced Micro Devices [AMD] AMD-8111 LPC (rev 05)
00:07.1 IDE interface: Advanced Micro Devices [AMD] AMD-8111 IDE (rev 03)
00:07.2 SMBus: Advanced Micro Devices [AMD] AMD-8111 SMBus 2.0 (rev 02)
00:07.3 Bridge: Advanced Micro Devices [AMD] AMD-8111 ACPI (rev 05)
00:0a.0 PCI bridge: Advanced Micro Devices [AMD] AMD-8131 PCI-X Bridge (rev 12)
00:0a.1 PIC: Advanced Micro Devices [AMD] AMD-8131 PCI-X IOAPIC (rev 01)
00:0b.0 PCI bridge: Advanced Micro Devices [AMD] AMD-8131 PCI-X Bridge (rev 12)
00:0b.1 PIC: Advanced Micro Devices [AMD] AMD-8131 PCI-X IOAPIC (rev 01)
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
02:03.0 SCSI storage controller: ICP Vortex Computersysteme GmbH GDT 6113RS/6513RS
02:09.0 Ethernet controller: Broadcom Corporation NetXtreme BCM5704 Gigabit Ethernet (rev 03)
02:09.1 Ethernet controller: Broadcom Corporation NetXtreme BCM5704 Gigabit Ethernet (rev 03)
03:00.0 USB Controller: Advanced Micro Devices [AMD] AMD-8111 USB (rev 0b)
03:00.1 USB Controller: Advanced Micro Devices [AMD] AMD-8111 USB (rev 0b)
03:06.0 VGA compatible controller: ATI Technologies Inc Rage XL (rev 27)

03:08.0 Ethernet controller: Intel Corporation 82557/8/9 [Ethernet Pro 100] (rev 10)

Output "lspci -n"
00:06.0 Class 0604: 1022:7460 (rev 07)
00:07.0 Class 0601: 1022:7468 (rev 05)
00:07.1 Class 0101: 1022:7469 (rev 03)
00:07.2 Class 0c05: 1022:746a (rev 02)
00:07.3 Class 0680: 1022:746b (rev 05)
00:0a.0 Class 0604: 1022:7450 (rev 12)
00:0a.1 Class 0800: 1022:7451 (rev 01)
00:0b.0 Class 0604: 1022:7450 (rev 12)
00:0b.1 Class 0800: 1022:7451 (rev 01)
00:18.0 Class 0600: 1022:1100
00:18.1 Class 0600: 1022:1101
00:18.2 Class 0600: 1022:1102
00:18.3 Class 0600: 1022:1103
00:19.0 Class 0600: 1022:1100
00:19.1 Class 0600: 1022:1101
00:19.2 Class 0600: 1022:1102
00:19.3 Class 0600: 1022:1103
02:03.0 Class 0100: 1119:0136
02:09.0 Class 0200: 14e4:1648 (rev 03)
02:09.1 Class 0200: 14e4:1648 (rev 03)
03:00.0 Class 0c03: 1022:7464 (rev 0b)
03:00.1 Class 0c03: 1022:7464 (rev 0b)
03:06.0 Class 0300: 1002:4752 (rev 27)
03:08.0 Class 0200: 8086:1229 (rev 10)

Subject: Re: I/O stall with SuSE 10 Kernel
Posted by Vasily Tarasov on Mon, 26 Feb 2007 10:51:08 GMT
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lst_hoe01@kwsoft.de wrote:
> Zitat von Vasily Tarasov <vtaras@openvz.org>:
>
>> lst_hoe01@kwsoft.de wrote:
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> glad to here that the device is supported by the latest (standard
> FC5?) kernel from openvz. It is smaller in size than the SuSE openvz
> kernel so i was afraid that there are missing some SuSE centric drivers.

Hello again,

I'm glad to inform you that both 2.6.18-028test and 2.6.9-023stable
series of OpenVZ kernels support your device.
Also I'd like to say, that OpenVZ kernels are more closely bind to RHEL
kernels, not to FC ones. For example, 2.6.9-023stable series is based on
RHEL4 kernel.
>
> Regards
>
> Andreas
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> (rev 12)
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> [Athlon64/Opteron] HyperTransport Technology Configuration
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> [Athlon64/Opteron] Address Map
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