Subject: VE Kernel Version
Posted by frenchyp on Thu, 19 Jul 2007 21:21:45 GMT
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Hello all.

I have a couple questions concerning the kernel visible from inside the VEs:

On my hardware node the installed openvz kernel is 2.6.18-ovz028stab023.1.
Inside the VEs the kernel reported by uname -a is 2.6.9.

1) Why isn't that kernel the same as the one on the HN (2.6.18-ovz028stab023.1) ?

2) Is there any way I can 'forge' the kernel version reported by uname inside the VEs (to return 2.6.20 for example) ?

Thank you.

Subject: Re: VE Kernel Version
Posted by khorenko on Fri, 20 Jul 2007 06:49:42 GMT
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Hello.

0) you are using quite an old kernel, i advise to upgrade it.

1) it's strange if you didn't do anything the kernel version inside a VE should match kernel version (well, may be except for the architecture).

2) yes, there is a possibility to change a kernel version reported inside a VE:
/proc/sys/kernel/virt_osrelease handles this.

Cat it and you'll see the kernel version which will be reported inside VEs (yes, it's not per-VE, it's global).

```
[HN]# cat /proc/version
Linux version 2.6.18-8.1.4.el5.028stab035.1 (root@rhel5-32-build) (gcc version 4.1.1 20061011
(Red Hat 4.1.1-30)) #1 SMP Sat Jun 9 01:43:20 MSD 2007
[HN]# vzctl exec 101 uname -a
Linux dhcp0-56.sw.ru 2.6.18-8.1.4.el5.028stab035.1 #1 SMP Sat Jun 9 01:43:20 MSD 2007 i686
i686 i386 GNU/Linux
[HN]# cat /proc/sys/kernel/virt_osrelease
2.6.18-8.1.4.el5.028stab035.1
[HN]# echo "2.6.9-finist" > /proc/sys/kernel/virt_osrelease
[HN]# cat /proc/sys/kernel/virt_osrelease
2.6.9-finist
[HN]# vzctl start 101
```

...
[HN]# vzctl exec 101 uname -a
Linux dhcp0-56.sw.ru 2.6.9-finist #1 SMP Sat Jun 9 01:43:20 MSD 2007 i686 i686 i386 GNU/Linux

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Subject: Re: VE Kernel Version
Posted by frenchyp on Fri, 20 Jul 2007 17:39:57 GMT
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You are right. The kernel version I was seeing was controlled by the file you mentioned.
Thank you !
