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Subject: openvz and qemu

Posted by [Dietmar Maurer](#) on Fri, 01 Feb 2008 06:05:14 GMT

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Hi all,

i want to run a few qemu VMs inside VE0. Just wonder how to set  
fairsched properties  
for a single process?

- howto create a new fairsched group (for the qemu process)?
- howto assign weight/rate

or is that not possible at all?

- Dietmar

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Subject: AW: openvz and qemu

Posted by [Dietmar Maurer](#) on Fri, 01 Feb 2008 06:23:51 GMT

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OK, basically found the syscall interface in kernel/fairsched.c

But how do I find out the syscall numbers, i.e how do I  
call `sys_fairsched_mknod()` with `userspace syscall()`

- Dietmar

> Von: [users-bounces@openvz.org](mailto:users-bounces@openvz.org)  
> [<mailto:users-bounces@openvz.org>] Im Auftrag von Dietmar Maurer  
> Gesendet: Freitag, 01. Februar 2008 07:05  
> An: [users@openvz.org](mailto:users@openvz.org)  
> Betreff: [Users] openvz and qemu

>

> Hi all,

>

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- > - howto create a new fairsched group (for the qemu process)?
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Subject: Re: AW: openvz and qemu  
Posted by [dev](#) on Fri, 01 Feb 2008 07:13:41 GMT  
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check vzctl sources. it calls other OVZ-specific syscalls by their numbers, like sys\_setluid, sys\_setublimit etc.

For creating fairsched node you'll need to call fairsched\_mkknod first, then move the process to this node using fairsched\_mvpr

Dietmar Maurer wrote:

> OK, basically found the syscall interface in kernel/fairsched.c  
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>> [mailto:users-bounces@openvz.org] Im Auftrag von Dietmar Maurer  
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Subject: AW: AW: openvz and qemu  
Posted by [Dietmar Maurer](#) on Fri, 08 Feb 2008 17:07:38 GMT  
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> check vzctl sources. it calls other OVZ-specific syscalls by  
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> fairsched\_mknod first, then move the process to this node  
> using fairsched\_mvpr

OK, I wrote a small (perl) script to test those syscalls, and everything work as expected, for example:

```
..  
fairsched_mknod (0, 500, 400);  
fairsched_vcpus (400, 1);  
set_cpulimit (400, 25);  
fairsched_mvpr ($$, 400);  
fork_and_do_something(); # runs with 25% cpu  
wait  
fairsched_rmnod (400);  
..
```

work perfectly.

But when I call fairsched\_rmnod(400) from another process while there is still a process running inside 400 the system freezes. I get a kernel panic somewhere inside move\_task\_off\_dead\_cpu.

any idea how to fix that?

- Dietmar

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Subject: Re: AW: AW: openvz and qemu  
Posted by [Kirill Korotaev](#) on Sat, 09 Feb 2008 11:07:11 GMT  
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node should be deleted normally only when no processes left.  
it's possible to fix syscall to return an error when node is non-empty...

Dietmar Maurer wrote:

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Subject: AW: AW: AW: openvz and qemu  
Posted by [Dietmar Maurer](#) on Sun, 10 Feb 2008 07:15:03 GMT  
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> node should be deleted normally only when no processes left.  
> it's possible to fix syscall to return an error when node is  
> non-empty...

Ok, will try make sure that no processes left. But I thing the syscall  
should be fixed too.

- Dietmar

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Subject: Re: AW: AW: AW: openvz and qemu  
Posted by [Kirill Korotaev](#) on Mon, 11 Feb 2008 12:47:06 GMT  
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care to create a patch?

Dietmar Maurer wrote:

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Subject: AW: AW: AW: openvz and qemu  
Posted by [Dietmar Maurer](#) on Mon, 11 Feb 2008 15:58:58 GMT  
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> care to create a patch?

Please can you give me a hint where i can find the list of  
processes associated with a fairsched node?

- Dietmar

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Subject: Re: AW: AW: AW: openvz and qemu  
Posted by [Kirill Korotaev](#) on Mon, 11 Feb 2008 16:26:37 GMT  
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AFAIR the only way is to take tasklist\_lock  
and check for tasks having vsched == your-node-vsched.

Kirill

Dietmar Maurer wrote:

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>  
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