Subject: Re: [PATCHSET] 2.6.20-lxc8
Posted by Herbert Poetzl on Wed, 21 Mar 2007 06:04:27 GMT
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On Tue, Mar 20, 2007 at 09:53:01PM +0100, Cedric Le Goater wrote:
> All,
>
> We've been gathering, porting and testing a whole bunch of patchsets
> related to namespaces, containers and resource management in what
> we call the -lxc patchset.

great!

> The purpose of the -lxc patchset is to experiment and test a "fully"
> featured linux container solution.

you mean, besides the existing "fully" featured linux container
solutions, like Linux-VServer, FreeVPS and OpenVZ

> this is a large topic but resource management and container mobility
> are the main high level features we are looking at.

okay, fair enough ...

> We're not there yet but we've done a lot of progress in 2006 and early
> 2007. It seems a good time to share some this work and see :
>
> * which patchsets can be proposed to andrew
> * which patchsets requires more work
> * which can be dropped
> * what kind of cleanups are still required
> * etc.
>
> The latest release 2.6.20-lxc8 contains the following :
>
> * user namespace from Serge E. Hallyn <serue@us.ibm.com>
> * bind_ns() syscalls from Cedric Le Goater <clg@fr.ibm.com>
> * ro bind mount from Dave Hansen <hansendc@us.ibm.com>

glad to read that this is also part of it ...

> * generic Process containers from Paul Menage <menage@google.com>
> * namespace entering from Serge E. Hallyn <serue@us.ibm.com>
> * resource controllers based on process containers from Pavel Emelianov <xemul@sw.ru>
> * multiple /proc (required for pid namespace) from Dave Hansen <hansendc@us.ibm.com>
> * pid namespace from Sukadev Bhattiprolu <sukadev@us.ibm.com>
> * L2 network namespace from Eric W. Biederman <ebiederm@xmission.com>
> * misc fixes and cleanups from others (sorry for not mentioning)

>
> and it's giving some good results on common platforms like i386 and
> x86_64.

what _are_ the good results? do you have performance
results or other interesting data on it? if so, where
can it be found?

TIA,
Herbert

> It's all here :
>
> http://lxc.sourceforge.net/patches/2.6.20/2.6.20-lxc8
>
> Some very basic user space tools to work and test namespaces can
> also be found here :
>
> http://lxc.sourceforge.net/patches/2.6.20/2.6.20-lxc8/broken-out/tests/
>
> A lot of work still needs to be done in user space..this is not
> the highest priority for the moment but sooner or later we'll
> need to spend more time on it.
>
> Hope you find it useful. If you have any issues with sourceforge
> download, please tell me. I can move this patchset to a more
> convenient site.
>
> Cheers,
>
> C.

_____
Containers mailing list
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