
Subject: Re: Checkpoint and restore on 64 bit Debian host.
Posted by [Hansel Dunlop](#) on Tue, 04 Oct 2011 17:00:16 GMT
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Thanks Kiril,

I'm experimenting with this now. I converted
vzkernel-2.6.32-042stab037.1.x86_64.rpm into a deb and used it to boot
but AWS did not want to run it. Complaining about XEN options. I see
that the older kernel versions had specific XEN builds. I'm going to try
and recompile the 2.6.32-042stab037 kernel from src. Are there any
particular flags that I should set?

I did a diff on the config for a working Debian kernel and the EL6
version from OpenVZ, these are the options that relate to XEN. I guess I
could just set them all and see if that works.

Debian is >
OpenVZ is <

< CONFIG_XEN_MAX_DOMAIN_MEMORY=128
> CONFIG_XEN_MAX_DOMAIN_MEMORY=32
< CONFIG_XEN_DEBUG_FS=y
> # CONFIG_XEN_DEBUG_FS is not set
> CONFIG_SWIOTLB_XEN=y
> CONFIG_MICROCODE_XEN=y
> CONFIG_XEN_DOM0=y
> CONFIG_XEN_PRIVILEGED_GUEST=y
> CONFIG_XEN_DOM0_PCI=y
> # CONFIG_XEN_PCI_PASSTHROUGH is not set
> CONFIG_PCI_XEN=y
> CONFIG_XEN_PCIDEV_FRONTEND=y
> CONFIG_XEN_BACKEND=y
> CONFIG_XEN_NETDEV_BACKEND=y

> CONFIG_XEN_BLKDEV_BACKEND=y
> CONFIG_XEN_BLKDEV_TAP=m
> CONFIG_XEN_BLKBACK_PAGEMAP=y
> CONFIG_XEN_PCIDEV_BACKEND=y
> CONFIG_XEN_PCIDEV_BACKEND_VPCI=y
> # CONFIG_XEN_PCIDEV_BACKEND_PASS is not set
> # CONFIG_XEN_PCIDEV_BACKEND_SLOT is not set
> # CONFIG_XEN_PCIDEV_BACKEND_CONTROLLER is not set
> # CONFIG_XEN_PCIDEV_BE_DEBUG is not set
> CONFIG_XEN_MCE=y
> CONFIG_XEN_XENBUS_FRONTEND=y
> CONFIG_XEN_GNTDEV=y
> CONFIG_XEN_S3=y
> CONFIG_ACPI_PROCESSOR_XEN=m

Kind regards

Hansel

On 30/09/2011 23:05, Kirill Kolyshkin wrote:

>
> You don't have to switch the OS, just use rhel6 kernel. It is in rpm
> so for now you have to use alien plus do some work after installing
> new kernel (run mkinitrd, modify grub.conf). We plan to provide deb
> report for rhel6 kernel real soon.
>
> On Sep 30, 2011 8:49 PM, "Hansel Dunlop"
> <hansel.dunlop@resolversystems.com>
> <mailto:hansel.dunlop@resolversystems.com>> wrote:
> > Hello,
> >
> > A question for the list.
> >
> > We have developed a web service on 64 bit Debian locally on ZEN and for

> > deployment on AWS. We really want to use OpenVZ so that we can give our
> > users persistent console sessions across deployments of our software.
> >
> > During our experiments with OpenVZ we discovered that Chkpt/Restore
> > doesn't work on 64 bit Debian (or we couldn't make it work) which seems
> > to be a known problem.
> >
> > We figure it could be three or four weeks of work to switch to
> CentOS or
> > Scientific Linux.
> >
> > What advice do people have? I've been reading through the mailing lists
> > but I don't feel like I have a clear picture of what is working and
> what
> > is not right now. Are there events in the near future which might make
> > this easier? Does anyone have working checkpointing on 64 bit Debian?
> > Would it be quicker for us to try and fix the Debian issue itself?
> >
> > Any advice greatly appreciated!
> >
> > Kind regards
> >
> > --
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> > PythonAnywhere: A console in your browser
> > <http://pythonanywhere.com>
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