

Re: Xen on Ubuntu: DomU hangs on boot

Source: <http://linux.derkeiler.com/Mailing-Lists/Ubuntu/2007-11/msg02801.html>

- *From:* Allen Fowler <allen.fowler@xxxxxxxx>
 - *Date:* Thu, 29 Nov 2007 00:03:37 -0800 (PST)
-

Anybody?

----- Original Message -----

From: Allen Fowler <allen.fowler@xxxxxxxx>
To: ubuntu-users@xxxxxxxxxxxxxxxxxxxx
Sent: Tuesday, November 27, 2007 11:32:56 AM
Subject: Xen on Ubuntu: DomU hangs on boot

Hello,

I am trying to install Xen, and I followed the directions at:
<http://www.howtoforge.com/ubuntu-7.10-server-install-xen-from-ubuntu-repositories>

The physical machine and Dom0 boot fine.

However, I can't seem to get any DomU to start.

To clarify:

After I issue the "xm create xen_domu_name" command, no errors are returned, and the "xm list" command shows something like this:

```
~~~~~  
Name ID Mem VCPUs State Time(s)  
Domain-0 0 239 1 r-----  
279.0  
xendomu 7 128 1 -b----- 27.5  
~~~~~
```

However,
I am unable to ssh into the VM, and typing anything at the "xm console" screen yields no response. (Though, the "xm console" does show the scroll back listed below.)

Any help would be appreciated.

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Thank you,
Allen

Various outputs attached below:

```
~~~~~  
DomU config  
~~~~~  
#  
# Configuration file for the Xen instance xendomU, created  
# by xen-tools 3.5 on Fri Nov 23 15:19:59 2007.  
#  
  
#  
# Kernel + memory size  
#  
kernel = '/boot/vmlinuz-2.6.22-14-xen'  
ramdisk = '/boot/initrd.img-2.6.22-14-xen'  
memory = '128'  
  
#  
# Disk device(s).  
#  
root = '/dev/hda1 ro'  
disk = [ 'file:/home/xen/domains/xendomU/disk.img,hda1,w',  
'file:/home/xen/domains/xendomU/swap.img,hda2,w' ]  
  
#  
# Hostname  
#  
name = 'xendomU'  
  
#  
# Networking  
#  
vif = [ 'ip=10.0.0.71' ]  
  
#  
# Behaviour  
#  
on_poweroff = 'destroy'  
on_reboot = 'restart'  
on_crash = 'restart'
```

```
~~~~~  
~~~~~  
Output of "xm info"  
~~~~~  
host : server2
```

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```
release : 2.6.22-14-xen
version : #1
SMP Mon Oct 15 00:35:38 GMT 2007
machine : i686
nr_cpus : 1
nr_nodes : 1
sockets_per_node : 1
cores_per_socket : 1
threads_per_core : 1
cpu_mhz : 996
hw_caps : 0383f9ff:00000000:00000000:00000040
total_memory : 383
free_memory :
0
xen_major : 3
xen_minor : 1
xen_extra : .0
xen_caps : xen-3.0-x86_32p
xen_scheduler : credit
xen_pagesize : 4096
platform_params : virt_start=0xf5800000
xen_changeset : unavailable
cc_compiler : gcc version 4.1.3 20070929 (prerelease) (Ubuntu 4.1.2-16ubuntu2
cc_compile_by :
buildd
cc_compile_domain : buildd
cc_compile_date : Fri Oct 12 15:08:23 GMT 2007
xend_config_format : 4
```

~~~~~

~~~~~

xm dmesg

~~~~~

[SNIP]

```
(XEN) System RAM: 383MB (392572kB)
(XEN) Xen heap: 10MB (10276kB)
(XEN) Domain heap initialised: DMA width 32 bits
(XEN) PAE enabled, limit: 16 GB
(XEN) Local APIC disabled by BIOS -- you can enable it with "lapic"
(XEN) Using scheduler: SMP Credit Scheduler (credit)
(XEN) Detected 996.791 MHz processor.
(XEN) CPU0: Intel Pentium III (Coppermine) stepping 0a
(XEN) Mapping cpu 0 to node
255
(XEN) Platform timer is 1.193MHz PIT
(XEN) Brought up 1 CPUs
(XEN) *** LOADING DOMAIN 0 ***
(XEN) Xen kernel: 32-bit, PAE, lsb
(XEN) Dom0 kernel: 32-bit, PAE, lsb, paddr 0xc0100000 -> 0xc04c0000
(XEN) PHYSICAL MEMORY ARRANGEMENT:
(XEN) Dom0 alloc.: 0000000014000000->0000000016000000 (80008 pages to be allocated)
```

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```
(XEN) VIRTUAL MEMORY ARRANGEMENT:
(XEN) Loaded kernel: c0100000->c04c0000
(XEN) Init. ramdisk: c04c0000->c145e800
(XEN) Phys-Mach map: c145f000->c14b5220
(XEN) Start info: c14b6000->c14b646c
(XEN) Page tables: c14b7000->c14c8000
(XEN) Boot stack: c14c8000->c14c9000
(XEN) TOTAL:
c0000000->c1800000
(XEN) ENTRY ADDRESS: c0100000
(XEN) Dom0 has maximum 1 VCPUs
(XEN) Initrd len 0xf9e800, start at
0xc04c0000
(XEN) Scrubbing Free RAM: done.
(XEN) Xen trace buffers: disabled
(XEN) Std. Loglevel: Errors and warnings
(XEN) Guest Loglevel: Nothing (Rate-limited: Errors and warnings)
(XEN) Xen is relinquishing VGA console.
(XEN) *** Serial input -> DOM0 (type \047CTRL-a\047 three times to switch input to Xen).
```

```
~~~~~
xm console xendomu
~~~~~
```

```
[15785.652879] xen_mem: Initialising balloon driver.
[15785.660761] Setting mem allocation to 131072 kiB
[15785.661268] PCI: System does not support PCI
[15785.661371] PCI: System does not support PCI
[15785.661489] NET: Registered protocol family 8
[15785.661541] NET: Registered protocol family 20
[15785.662582] NET: Registered protocol family 2
[15785.662767] Time: xen clocksource has been installed.
[15785.704611] IP route cache hash
table entries: 2048
(order: 1, 8192 bytes)
[15785.704753] TCP established hash table entries: 8192 (order: 4, 98304 bytes)
[15785.705029] TCP bind hash table entries: 8192 (order: 4, 65536 bytes)
[15785.705237] TCP: Hash tables configured (established 8192 bind 8192)
[15785.705252] TCP reno registered
[15785.734838] checking if image is initramfs... it is
[15785.973231] Freeing initrd memory: 15996k freed
[15785.974312] audit: initializing netlink socket (disabled)
[15785.974572] audit(1196015716.968:1): initialized
[15785.980115] VFS: Disk quotas dquot_6.5.1
[15785.980729] Dquot-cache hash table entries: 1024 (order 0, 4096 bytes)
[15785.981277] io scheduler noop registered
[15785.981404] io scheduler anticipatory registered
[15785.981455] io scheduler deadline registered
[15785.981569] io scheduler cfq registered (default)
[15786.075774] Real Time Clock Driver v1.12ac
```

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[15786.077525] RAMDISK driver initialized: 16 RAM disks  
of 65536K size 1024  
blocksize  
[15786.078314] input: Macintosh mouse button emulation as /class/input/input0  
[15786.078818] xencons\_init: Initializing xen vfb; pass xencons=tty to prevent this  
[15786.079520] Xen virtual console successfully installed as xvc0  
[15786.079866] Event-channel device installed.  
[15786.147564] netfront: Initialising virtual ethernet driver.  
[15786.149571] PNP: No PS/2 controller found. Probing ports directly.  
[15786.150636] i8042.c: No controller found.  
[15786.150879] mice: PS/2 mouse device common for all mice  
[15786.151222] TCP cubic registered  
[15786.151276] NET: Registered protocol family 1  
[15786.151350] Using IPI No-Shortcut mode  
[15786.152801] xen-vbd: registered block device major 3  
[15786.152855] blkfront: hda1: barriers enabled  
[15786.155045] blkfront: hda2: barriers enabled  
[15786.163005] netfront: device eth0 has copying receive path.  
[15786.244504] XENBUS: Device with no driver:  
device/console/0  
[15786.244975] Freeing unused kernel memory: 200k freed  
[15786.839976] AppArmor: AppArmor initialized<5>audit(1196015717.836:2): type=1505 info="AppArmor  
initialized" pid=992  
[15786.864141] fuse init (API version 7.8)  
[15786.887322] Failure registering capabilities with primary security module.  
[15786.986664] thermal: Unknown symbol acpi\_processor\_set\_thermal\_limit  
~~~~~

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