

Re: changes in kernel affecting savecore/dumps ...

Source: <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/stable/2003-06/0567.html>

From: Marc G. Fournier (*scrappy_at_hub.org*)

Date: 06/27/03

Date: Fri, 27 Jun 2003 00:16:24 -0300 (ADT)

To: freebsd-stable@freebsd.org

Please note that both savecore and kernel were installed at the same time:

```
jupiter# ls -ld /kernel /sbin/savecore
-r-xr-xr-x 1 root wheel 2029005 Jun 22 00:36 /kernel
-r-xr-xr-x 1 root wheel 168364 Jun 22 00:35 /sbin/savecore
```

and were compiled at about the same time, so it isn't as if I forgot to do a 'make buildworld' first:

```
jupiter# cd /usr/obj/usr/src/sbin/savecore/
jupiter# ls -lt
total 622
-rw-r--r-- 1 root wheel 39528 Jun 20 16:19 savecore.o
-rwxr-xr-x 1 root wheel 571487 Jun 20 16:19 savecore
-rw-r--r-- 1 root wheel 2009 Jun 20 16:19 savecore.8.gz
-rw-r--r-- 1 root wheel 2115 Jun 20 16:10 .depend
jupiter# ls -ld /usr/obj/usr/src/sys/kernel/kernel
-rwxr-xr-x 1 root wheel 2029005 Jun 20 18:34 /usr/obj/usr/src/sys/kernel/kernel
```

On Fri, 27 Jun 2003, Marc G. Fournier wrote:

```
>
> David gave me some suggestions to check out on the servers, but so far,
> its all drawing a blank ... I have two servers right now that are updated
> to recent 4.8-STABLE kernels ... one was June 22nd, and the other was
> upgraded June 20th ... both of them have crashed since that date, and both
> of them tell me that they are unable to produce a core file, with the same
> errors:
>
> Jun 26 04:27:14 jupiter savecore: warning: /kernel version mismatch: "FreeBSD 4.8-STABLE #2: Fri Jun
> 20 18:34:14 ADT 2003 " and ""
>
> Prior to those kernel upgrades, I had no problems generating core files,
> and nothing has changed configuration wise, except as results from
> upgrading the OS using 'installworld/installkernel/mergemaster' ...
>
```

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- > *On Jupiter, previous to the Jun 20th upgrade, I was able to generate two*
- > *cores off of a Jun 6th kernel, so something between Jun 6th and Jun 20th*
- > *has changed ...*
- >
- > *Does anyone know of *anything* that may have been commit'd in that period*
- > *of time that could have affected how a crash dumps to the dumpdev?*
- >
- > *Note that the servers don't make much use of swap as it is ... one of the*
- > *machines that is exhibiting the problem has been up 4+days now, and swap*
- > *used is:*
- >
- > *pluto# pstat -s*
- > *Device 1K-blocks Used Avail Capacity Type*
- > */dev/da0s1b 8388480 10652 8377828 0% Interleaved*
- >
- > *when pluto crashed, I was able to get in just after and run 'savecore -f'*
- > *to generate the core file, and doing a 'strings <core> | head', I compared*
- > *it with a "good" core, and the first few bytes *look* identical, but*
- > *neither of them show anything in the first few bytes that would come close*
- > *to matching the above string, so am not sure where core_vers is read from*
- > ...
- >
- > *Help? Right now, jupiter is going once a night, with nothing in messages*
- > *to indicate a problem, and no core to look at :(*
- >
- > *Thanks ...*
- >
- >

freebsd-stable@freebsd.org mailing list

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