

[SUMMARY] Sunfire v880 reboot

Source: <http://unix.derkeiler.com/Mailing-Lists/SunManagers/2005-02/0307.html>

From: Bill R. Williams (*brwms_at_etsu.edu*)

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Date: Fri, 18 Feb 2005 15:40:19 -0500

To: Sun Managers <sunmanagers@sunmanagers.org>

For the benefit of others who might run into the same problem, Here are the responses to my post regarding: Sunfire v880 reboot (My original post from Mon, Feb 14, 2005 is included at the end.)

I should have mentioned in my original post that this system has been running the same levels of software (Solaris 5.9), firmware (OBP), and hardware configuration since August 2004, and such a thing has never happened before.

Many thanks to those who offered opinions, theories, possibilities, and suggestions! My remarks concerning my particular situation are intertwined in their responses.

Bill R. Williams <brw@etsu.edu>

----- ETSU Library Systems

From: Peter A. van Gemert

>*I have no clue on what went on in your system but could it be an >faulty UPS?*

Possibly, but I don't think the UPS is the culprit.

From: Eric Noriega

>*Have you looked for a crash dump under /var/crash ?*

There was no crash dump in there.

(That is the area defined in my 'dumpadm'.)

The following from joe_fletcher gets my vote for most probable cause:

From: "joe_fletcher"

>*Usual thing in these situations is a watchdog reset. Tends*

>*to be nothing in the logs as it's about as hard a reset as*

>*you can get short of using a hammer. The only place you will*

>*see anything is on the console so, assuming you have it*

>*configured, take a look in the RSC buffer logs for whatever*

>*records remain.*

>*Cause is generally hardware related. I'd also run psrinfo.*

>*You might find the thing is now running on an odd number of CPUs. I've*

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>seen this happen a few times.

My CPUs are all online & functioning.

Also, prtdiag -v indicates everything within tolerances and "OK".

From: "Michael Horton"

>How is your power run?

>

>3 v880 power supplies into 1 ups?

>(no redundancy)

>3 v880 power supplies into 1 power circuit?

>(no redundancy)

>

>if your ups has a glitch (and they do), you have a power event.

I am not going to rule this out.

From: "Eric Paul"

>We had a similar issue a few months ago with one of our servers...

>They replaced two CPU modules, and several banks of RAM before the

>problem went away. Something to be aware of, there is an FCO for

>certain memory modules which were installed on a number of 880s

>(though Sun is not talking about it much...) I only found out from

>my FE. You might want to put in a call to tech support and see if

>they can give you the lot numbers and check the RAM out.

>

>The other thing you might want to do is set up syslog to point to a

>central logging server. I've found a lot of times when Sun boxes go

>down hard, they don't flush the last logs to disk. But the central

>server does get the logs and that's given me more information to go

>on.

From: Daniel Vega

>obp down rev maybe?

On Mon, Feb 14, 2005 at 06:00:17PM -0500, Bill R. Williams wrote:

> SunOS localhost 5.9 Generic_117171-07 sun4u sparc SUNW,Sun-Fire-880

> This afternoon, this machine just rebooted, and I cannot find the why!

>

> Following the reboot, all status lights on the v880 are normal, and

> all disk drives are functioning.

> There is no crash dump, and the only thing I can find in the logs

> which indicate a glitch is in the /var/adm/messages file: the last

> entry before the "new" boot-up entries is a "line" of ~308 NULL bytes.

>

> I've run prtdiag and all temperatures, fans, etc. look Ok.

> Things look correct from 'metastat'.

>

> This unit has 3 power supplies which are plugged to UPS, so it wasn't

> a glitch in power service coming to the machine, and if it's a power

> supply the thing is supposed to be able to continue with two of them

> functioning. And there's no indication of any problems (prtdiag) with

> either of the three.

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- >
- > *Anybody seen this sorta thing happen?*
- > *(Maybe there's some gremlin in the v880 and/or Solaris 9 that I've*
- > *missed.)*
- >
- > *This sorta thing makes me nervous.*

sunmanagers mailing list

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<http://www.sunmanagers.org/mailman/listinfo/sunmanagers>