

AIX-L: Re: system halt

Re: system halt

Source: <http://unix.derkeiler.com/Mailing-Lists/AIX-L/2005-07/0200.html>

From: Robert Miller (*rmiller_at_SMUD.ORG*)

Date: 07/21/05

Date: Thu, 21 Jul 2005 07:20:12 -0700
To: aix-l@Princeton.EDU

I usually chalk DSI's up to "Stray Gamma Ray"s... or *flips through his BOFH calendar* sunspots. From what I've seen, DSI's are usually very few and far between, not a normal occurrence, and not something you normally have to worry about... but that's just my experience with 'em.

--rm

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

From: IBM AIX Discussion List [mailto:aix-l@Princeton.EDU]On Behalf Of Rick Saylor
Sent: Thursday, July 21, 2005 6:28 AM
To: aix-l@Princeton.EDU
Subject: Re: system halt

According to my AIX 5L internals book - "A Data Store Interrupt occurs whenever a reference is made to a virtual address that is not currently loaded in physical memory". In other words a page fault. Page faults happen all of the time. But for some reason VMM couldn't handle this one. This could be a software or hardware problem. Have you updated AIX or devices drivers recently? Are there other entries in the error log along with this one?

One more thing, in the AIX Internals class we were taught how to cause a

DSI (from the command line) in order to get a system dump. It is surprisingly easy but you have to be root to do it. You haven't had any of your AIX administrators attend the internals class lately?

Rick Saylor
Austin Community College

At 07:16 AM 7/21/2005, you wrote:
>Hello all,

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>We recently had a system dump one of our aix 5.2
>boxes. The errpt log gives the following:
>
>LABEL: DSI_PROC
>IDENTIFIER: 9D035E4D
>
>Date/Time: Wed Jul 20 11:03:02 EDT
>Sequence Number: 3921
>Machine Id: 000D277F4C00
>Class: S
>Type: PERM
>Resource Name: SYSVMM
>
>Description
>DATA STORAGE INTERRUPT, PROCESSOR
>
>I have not found too much on the internet that causes
>this or what exactly it is. Anyone have any ideas
>what this is from? Thanks.
>
>

>Do You Yahoo!?
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><http://mail.yahoo.com>