

## SUMMARY : System crashes but why ?

**Source:** <http://unix.derkeiler.com/Mailing-Lists/Tru64-UNIX-Managers/2003-09/0186.html>

---

**From:** Daniel Clar (*Daniel.Clar\_at\_supelec.fr*)

**Date:** 09/25/03

Date: Thu, 25 Sep 2003 16:07:35 +0200

To: 'Daniel Clar' <Daniel.Clar@supelec.fr>, tru64-unix-managers@ornl.gov

The original posting was :

>  
> *Hello Managers,*  
>  
> *Before calling the TSC, I want to understand a little why my AS1200 2CPUs*  
> *crashes from time to time (2 days without crash but very little activity,*  
> *then 2 crashes in 3 hours with high activity).*  
>  
> *uerf is just giving :*  
>  
>  
> *EVENT CLASS ERROR EVENT*  
> *OS EVENT TYPE 302. PANIC*  
> *SEQUENCE NUMBER 14.*  
> *OPERATING SYSTEM DEC OSF/1*  
> *OCCURRED/LOGGED ON Mon Sep 22 17:35:22 2003*  
> *OCCURRED ON SYSTEM xyz*  
> *SYSTEM ID x00070016*  
> *SYSTYPE x00000007*  
> *PROCESSOR COUNT 2.*  
> *PROCESSOR WHO LOGGED x00000001*  
> *MESSAGE panic (cpu 1): kernel memory fault*  
>  
>  
> *Looking at the crash-data file, I find :*  
>  
>  
> *trap: invalid memory read access from kernel mode*  
>  
> *faulting virtual address: 0x0000000000000001*  
> *pc of faulting instruction: 0xffffc00003defb8*  
> *ra contents at time of fault: 0xffffc0000454578*  
> *sp contents at time of fault: 0xffffe048d2878a0*  
>  
> *panic (cpu 1): kernel memory fault*  
> *syncing disks...*

## Tru64–UNIX–Managers: SUMMARY : System crashes but why ?

> *trap: invalid memory write access from kernel mode*  
>  
> *faulting virtual address: 0x0000000000000000*  
> *pc of faulting instruction: 0xffffc00004dc718*  
> *ra contents at time of fault: 0xffffc00004dc6d4*  
> *sp contents at time of fault: 0xffffe048cd6f8e0*  
>  
> "  
>  
> *Is there something obvious here ?*  
>  
> *Thank you for your help.*  
>  
> *Regards*  
>  
> *Daniel Clar*  
> *Computer Operations Manager*  
> *Supelec*  
> *France*

thank you to :

Stan Horwitz [stan@temple.edu]  
Brusche, Johan [johan.brusche@hp.com]  
Pat OBrien [Pat.OBrien@choicepoint.com]  
Alan Rollow – Dr. File System's Home for Wayward Inodes.  
[alan@desdra.cxo.cpqcorp.net]  
And

Dr Thomas.Blinn@HP.com [tpb@doctor.zk3.dec.com]  
Vincent, Jean–marc [jean–marc.vincent@hp.com]

Who asked for the crash–data file.

Jean–Marc Vincent gave the pointer to the available patch for Advfs.

t64kit0019920–v51bb22–e–20030909.tar

Daniel