

freebsd-arch: Re: Kernel Dump

## Re: Kernel Dump

**Source:** <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/arch/2005-06/0128.html>

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**From:** Wilkinson, Alex ([alex.wilkinson\\_at\\_dsto.defence.gov.au](mailto:alex.wilkinson_at_dsto.defence.gov.au))

**Date:** 06/23/05

Date: Thu, 23 Jun 2005 17:14:53 +0930

To: Peter Wemm <[peter@wemm.org](mailto:peter@wemm.org)>

On Wed, Jun 22, 2005 at 11:23:25PM -0700, Peter Wemm wrote:

>I've just rewritten the AMD64 crashdump support to use ELF like ia64.  
>In fact, I reused most of the ia64 code. We ran into serious problems  
>at work, first on the amd64 platform and now also the i386 platform.  
>The problem is that x86 machines are increasinly having memory holes.  
>The simplistic dump code has no way to skip the memory hole and tries  
>to dump things like the AGP frame buffer, pci card MMIO space,  
>PCI-Express configuration space (this means accessing hardware!!) and  
>so on.

Curious, why is it that x86 creates memory holes in the first place ?

- aW

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freebsd-arch@freebsd.org mailing list

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