

Re: [Patch v2] Make PCI extended config space (MMCONFIG) a driver opt-in

Re: [Patch v2] Make PCI extended config space (MMCONFIG) a driver opt-in

Source: <http://linux.derkeiler.com/Mailing-Lists/Kernel/2008-01/msg04443.html>

- *From:* Matthew Wilcox <matthew@xxxxxx>
 - *Date:* Fri, 11 Jan 2008 14:17:53 -0700
-

On Fri, Jan 11, 2008 at 01:12:12PM -0800, Linus Torvalds wrote:

On Fri, 11 Jan 2008, Matthew Wilcox wrote:

But they can't. We limit the size they can access to 256 bytes, unless the kernel probed address 256 and it worked.

Umm. Probing address 256 (or *any* address) using MMCONFIG will simply lock up the machine. HARD.

Did I miss a bug report? The only problems I'm currently aware of are the ones where using MMCONFIG during BAR probing causes a hard lockup on some Intel machines, and the ones where we get bad config data on some AMD machines due to the configuration retry status being mishandled.

All the other lockups I'm aware of are already handled by the existing checks.

—

Intel are signing my paycheques ... these opinions are still mine
"Bill, look, we understand that you're interested in selling us this operating system, but compare it to ours. We can't possibly take such a retrograde step."

—

To unsubscribe from this list: send the line "unsubscribe linux-kernel" in the body of a message to majordomo@xxxxxxxxxxxxxxxx

More majordomo info at <http://vger.kernel.org/majordomo-info.html>

Please read the FAQ at <http://www.tux.org/lkml/>