

Re: commit 7e92b4fc34 – x86, serial: convert legacy COM ports to platform devices – broke my serial console

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Source: <http://linux.derkeiler.com/Mailing-Lists/Kernel/2007-07/msg11217.html>

- *From:* Bjorn Helgaas <bjorn.helgaas@xxxxxx>
 - *Date:* Wed, 25 Jul 2007 21:33:20 –0600
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On Wednesday 25 July 2007 08:21:06 pm Shaohua Li wrote:

On Wed, 2007-07-25 at 17:37 –0700, Yinghai Lu wrote:

On 7/25/07, Bjorn Helgaas <bjorn.helgaas@xxxxxx> wrote:

Yinghai, you mentioned the same issue on boxes with multiple root bridges. Any chance you could try this out there as well?

it doesn't solve pci_root_bus reverse problem.

is that too late for PNP0A03?

I wonder if we need to modify acpi_device_register to sort them.

The pci root driver is an acpi driver not a pnp driver, so Bjorn's patch will not work.

Right, I forgot that the PCI root driver is an ACPI driver.

This is a longer-term idea, but the way I'd like to solve this is by converting ACPI drivers into PNP drivers. Then the PNPACPI sort would work for all of them. PNP would provide a hook to retrieve the ACPI handle corresponding to a PNP device.

Maybe the ACPI core (ACPICA) should do the sort?

I thought about that, but I didn't see a nice way to do it. The current namespace interfaces like `acpi_get_devices()` are walk-oriented -- they call a callback function for every node that meets some criteria. Sorting requires some sort of buffer so

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you can look at all the matching nodes before returning any of them.

Bjorn

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