

Re: [PATCH 1/2] Define FIXED_PORT flag for serial_core

Source: <http://linux.derkeiler.com/Mailing-Lists/Kernel/2007-03/msg00510.html>

- *From:* David Gibson <david@xxxxxxxxxxxxxxxxxxxxxxxx>
 - *Date:* Fri, 2 Mar 2007 12:57:29 +1100
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On Thu, Mar 01, 2007 at 10:30:04AM +0000, Russell King wrote:

On Thu, Mar 01, 2007 at 10:44:24AM +1100, David Gibson wrote:

On Wed, Feb 28, 2007 at 10:26:30PM +0000, Russell King wrote:

On Tue, Feb 20, 2007 at 02:19:51PM +1100, David Gibson wrote:

Therefore, this patch defines a UPF_FIXED_PORT flag for the uart_port structure. If this flag is set when the serial port is configured, any attempts to alter the port's type, io address, irq or base clock with setserial are ignored.

I've been wondering about this, and it is questionable whether we should allow any serial port which isn't owned by the legacy platform device (the one called "serial8250", iow by the 8250 driver itself) to have the base addresses and interrupts changed.

IOW, we apply this "fixed port" to any port registered by probe modules external to the 8250 driver itself, such as PCI, PNP, etc.

Sounds reasonable to me. But maybe in that case we should invert the sense of the flag. UPF_MOVABLE_PORT or UPF_USER_CONFIGURABLE or something.

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I was thinking about not even having a flag, but instead checking for
port->dev == &serial8250_isa_devs->dev.

Hmm.. ok. Will you spin a patch, or should I?

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David Gibson | I'll have my music baroque, and my code
david AT gibson.dropbear.id.au | minimalist, thank you. NOT _the_ _other_
| _way_ _around_!
<http://www.ozlabs.org/~dgibson>

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