

[PATCH -mm 0/3] convert IOMMUs to use iova

Source: <http://linux.derkeiler.com/Mailing-Lists/Kernel/2007-11/msg00650.html>

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This patchset convert the PPC64 IOMMU to use the iova code for free area management.

The IOMMUs ignores low level drivers' restrictions, the maximum segment size and segment boundary.

I fixed the former:

<http://thread.gmane.org/gmane.linux.scsi/35602>

The latter makes the free area management complicated. I'd like to convert IOMMUs to use the iova code (that intel-iommu introduced) for free area management and enable iova to handle segment boundary restrictions, rather than fixing all the IOMMUs' free area management,

I converted the PPC64 IOMMU to see how things work. The patchset was slightly tested with a pSeries box and seems to work.

This is against the latest Linus' git tree with David Miller's genericizing iova patch:

<http://www.ussg.iu.edu/hypermail/linux/kernel/0710.2/2910.html>

This patchset is also available:

<git://git.kernel.org/pub/scm/linux/kernel/git/tomo/linux-2.6-misc.git> iova

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