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Introduce an implementation of IOMMU in linux-riscv

Monday, 9 September 2019 10:45 (30 minutes)

IOMMU is a very popluar equipment for both embed and server virtualization area. In the topic we'll focus on embed area and shared virtual address.

Firstly, we'll talk about the value of IOMMU for the embed system and what the benefit we could get from IOMMU in our cost-down embed system.

Secondly, Guo will share the experience on the IOMMU implementation, eg: How to keep the same asid with CPU and IOMMU in hardware. How to share CPU's page table with IOMMU for user space address.

Lastly, let's have a free discussion on riscv mmu, iommu and SVA related issues.

I agree to abide by the anti-harassment policy

Yes

I confirm that I am already registered for LPC 2019

Primary author: Mr GUO, Ren (c-sky.com (belong to Alibaba.com))

Co-author: Mr MAO, Han (c-sky.com (belong to Alibaba.com))

Presenters: Mr GUO, Ren (c-sky.com (belong to Alibaba.com)); Mr MAO, Han (c-sky.com (belong to Alibaba.com))

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