

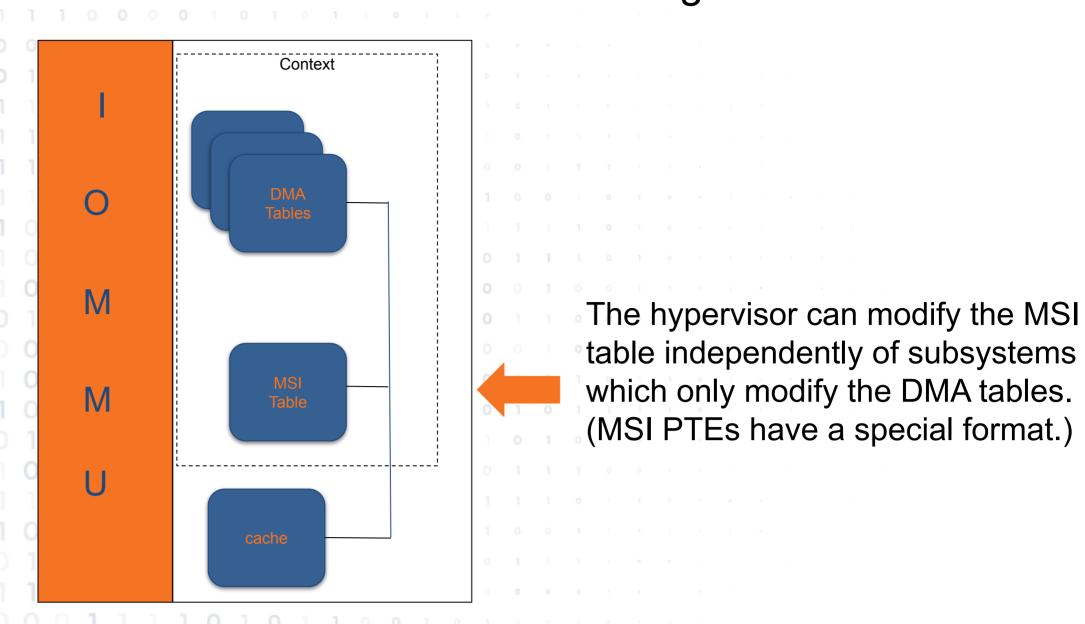
# Device Assignment with



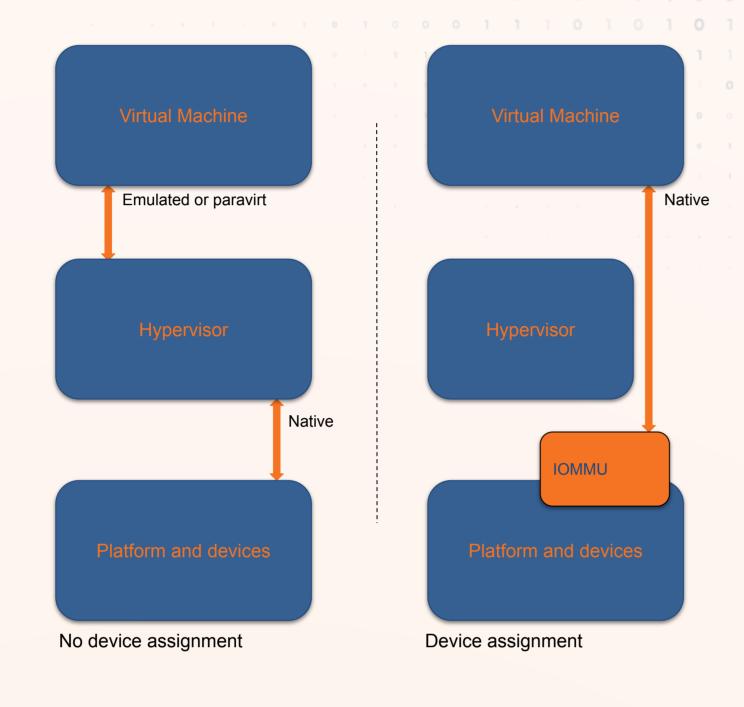


# **RISC-V IOMMU Translation** Two stages

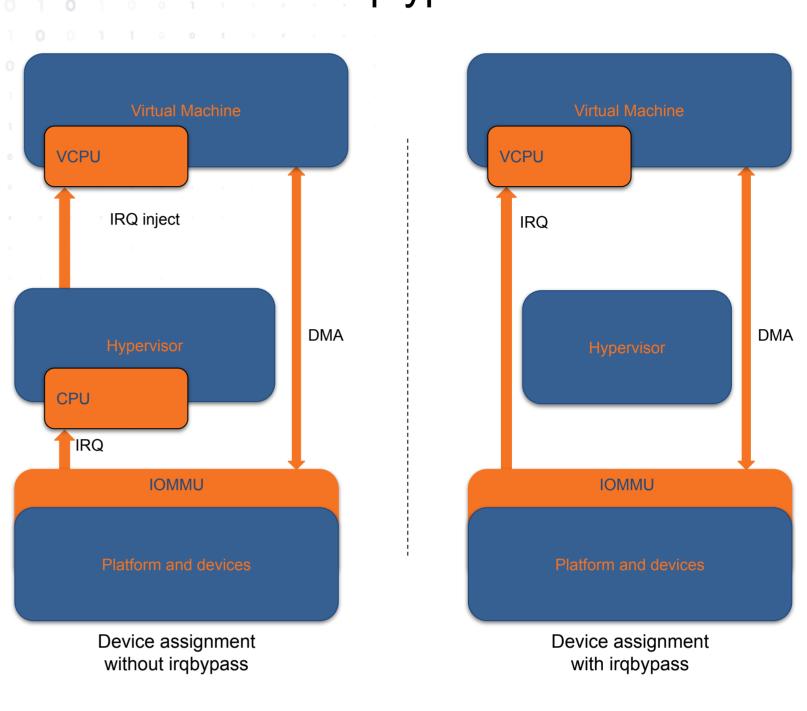
### RISC-V IOMMU Page Tables



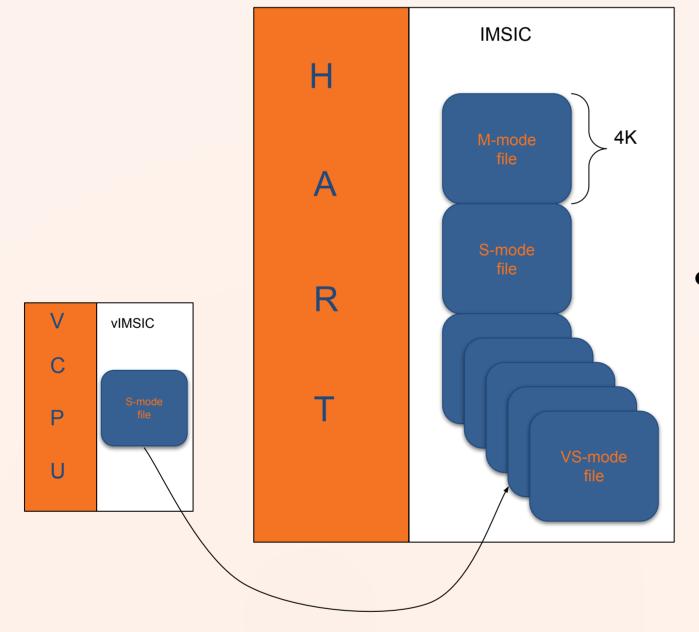
#### Device Assignment



irqbypass

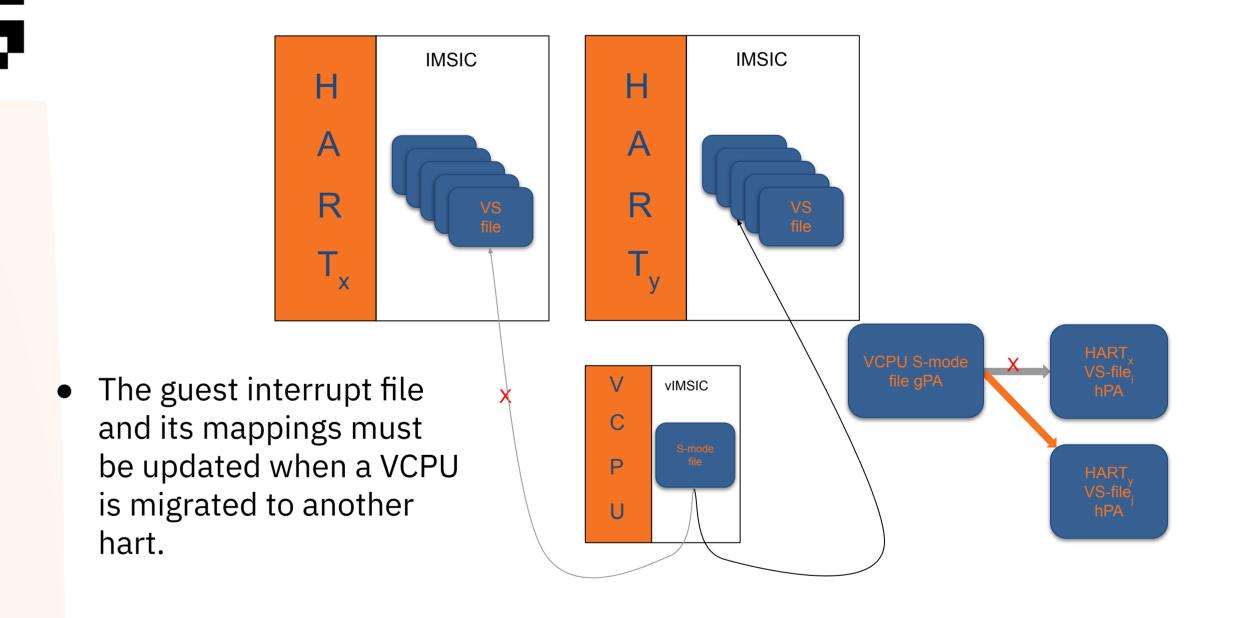


## RISC-V AIA IMSIC VS-mode

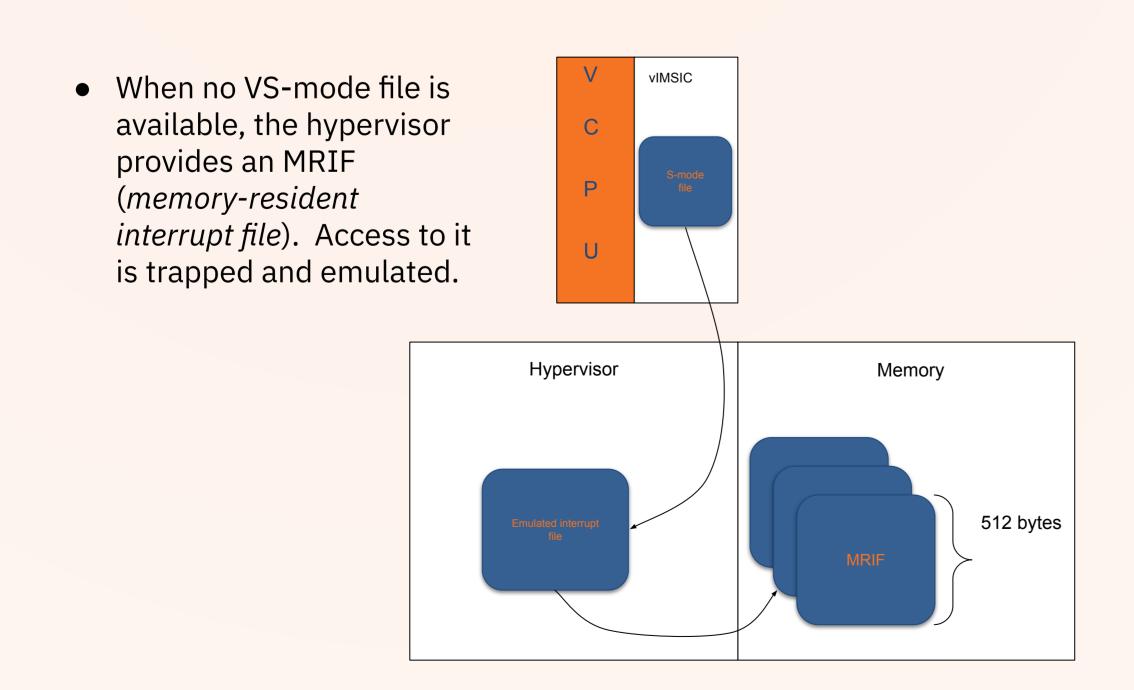


- The maximum number of VS-mode files is 31 for RV32 and 63 for RV64.
  - The server-soc specification currently requires 5.

**VCPU** Migration with VS-mode files



#### RISC-V AIA IMSIC **MRIFs**



#### **VCPU** Migration with **MRIFs**

