- 1. Turn on VFIO or IOMMU support in Bios
- 2. Patch kernel with ACS patch or download and already patched <u>one</u>. (unless server grade board).
- 3. Run IOMMU.sh to list all groups
  - a. Identify pass-thru devices and list them eg ( 1022:149c for a USB controller)
- 4. Edit /etc/default/grub:

GRUB\_CMDLINE\_LINUX\_DEFAULT="quiet splash modprobe.blacklist=amdgpu amd\_iommu=on iommu=pt vfio-pci.ids=1002:67df,1002:aaf0 pcie\_acs\_override=downstream,multifunction"

Blocks driver
Turns on IOMMU functionality
Lists VIFO pci.ids to be pass-through
Activates ACS patch