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codejunkienick

Help with 5700XT IOMMU groups

I have four devices for 5700xt, but currently I am only passing through VGA and Audio. Do I need to passthrough the first two PCI bridges as well? What is the function of those bridges? Windows VM works with only one issue when it gets blue screen in idling at completely random days with all the output screens turned off.

IOMMU Group 24:

04:00.0 PCI bridge [0604]: Advanced Micro Devices, Inc. [AMD/ATI] Navi 10 XL Upstream

IOMMU Group 25:

05:00.0 PCI bridge [0604]: Advanced Micro Devices, Inc. [AMD/ATI] Navi 10 XL Downstream

IOMMU Group 26:

06:00.0 VGA compatible controller [0300]: Advanced Micro Devices, Inc. [AMD/ATI] Navi 10

IOMMU Group 27:

06:00.1 Audio device [0403]: Advanced Micro Devices, Inc. [AMD/ATI] Navi 10 HDMI Audio



9



3



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zир_blazer • 5y ago

No, you don't have to passthrough the Bridges. If I recall correctly, QEMU doesn't even allow you to pass parts of the PCIe fabric, only endpoint Devices.

The Upstream/Downstream Ports also exist in Vega, and I'm not sure what purpose they serve. It looks like a PCIe Switch. At some point I thought that it was to hook up a NVMe SSD like they do on some of the enterprise cards that have a builtin SSD in the card itself, but these use a discrete PCIe Switch, so...



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I have the 5700XT. Though they allegedly support the 5700XT, I have not been able to get either Catalyst or Win 10 virtual machines to work with it.

I can't pass the two bridge devices because they aren't listed in /dev/vfio.

I'd be happy to hear any responses to the OP's question.

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jairuncaloth • 5y ago

I see the same thing and I'm only passing through the VGA & audio. I also get random crashes, one every week or two. It used to be every couple of days, but driver updates seem to be improving it.

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Please recommend good study material for MS-900.

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MS-900 Advice

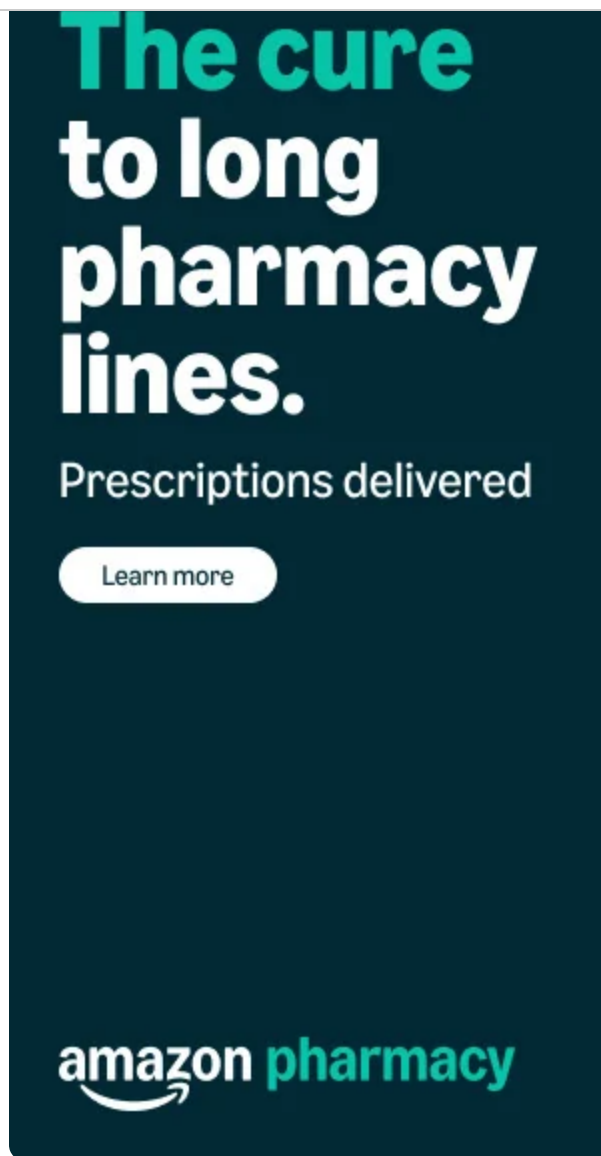
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Passed MS-900 Exam

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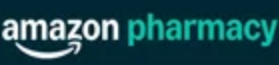
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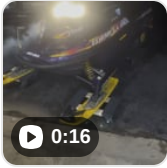
ISO 1000



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Passed the ms-900 today

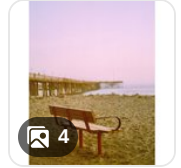
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