

Secure Buffer Object Support with Trusted Memory Zone

Wednesday, 16 September 2020 17:05 (20 minutes)

Memory encryption is an important part of content protection schemes like Widewine L1. This talk will delve into the details of TMZ (Trusted Memory Zone) on AMD GPUs touching on the software implementation details and hardware requirements and limitations that needed to be addressed to support this in the kernel, mesa, and userspace applications.

References:

- 1.https://www.phoronix.com/scan.php?page=news_item&px=AMD-Trusted-Memory-Zone
- 2.<https://lists.freedesktop.org/archives/amd-gfx/2019-September/039928.html>
- 3.https://linuxreviews.org/Trusted_Memory_Zone_Support_Coming_To_AMD_APUs_in_Linux_Kernel_5.6
- 4.https://gitlab.freedesktop.org/mesa/mesa/-/merge_requests/4401

Code of Conduct

Yes

GSoC, EVoC or Outreachy

No

Primary author: Mr HUANG, Ray (AMD)

Session Classification: Main Track

Track Classification: Talk (half slot) (Closed)