

# Graphics: AMD, Vulkan and NVIDIA

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- [AMD Sends In Another Batch Of Feature Changes For Linux 5.5 AMDGPU Driver Code](#)[2]

Complementing the big AMDGPU feature pull request from two weeks ago, on Friday AMD sent out a second batch of features targeting the upcoming Linux 5.5 kernel merge window.

On the feature front, the main change with this pull request for Linux 5.5 is the BACO support for older AMD GPUs. Those Radeon 200/300 series parts are seeing BACO support for possible power-savings ultimately but the short-term focus is using it for GPU reset functionality. BACO is already supported on the newer AMD GPUs.

- [RADV Vulkan Driver's ACO Compiler Back-End Has Navi/GFX10 Nearly Squared Away](#)[3]

Following a lot of work on the AMD "ACO" compiler back-end to the RADV Vulkan driver for GFX10/Navi, this experimental alternative to AMDGPU LLVM is about ready to go for these newest AMD graphics processors.

There was more aco/gfx10 activity merged yesterday getting the hazard mitigations in place and other bits landing earlier in the week as well.

- [NVIDIA Extends GL\\_SYNC\\_DISPLAY\\_DEVICE To Work With Vulkan Apps, Better RAM Reclamation](#)[4]

NVIDIA on Friday released the 435.27.02 Linux beta driver that features a few Vulkan updates.

First up, the environment variable `__GL_SYNC_DISPLAY_DEVICE` is now honored by

Vulkan applications. This environment variable has been used by the NVIDIA Linux driver for a few years in cases of multi-monitor setups that are not ideal for specifying which display device / output to sync to in a bid to eliminate tearing. This GL\_SYNC variable has obviously been focused on OpenGL (there is also a separate one for VDPAU synchronization) while now it works for Vulkan games/programs too.

## [Graphics/Benchmarks](#)

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- [3] [https://www.phoronix.com/scan.php?page=news\\_item&px=RADVO-ACO-Navi-Final-MR](https://www.phoronix.com/scan.php?page=news_item&px=RADVO-ACO-Navi-Final-MR)
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