

Graphics: Khronos Group, Radeon Software and Wayland Pains

By *Roy Schestowitz*

Created 18/06/2019 - 10:43am

Submitted by Roy Schestowitz on Tuesday 18th of June 2019 10:43:35 AM Filed under [Graphics/Benchmarks](#) [1]

- [Samuel Iglesias: My last VK-GL-CTS contributions](#) [2]

Even if you are not a gamer, odds are that you already heard about Vulkan graphics and compute API that provides high-efficiency, cross-platform access to modern GPUs. This API is designed by the Khronos Group and it is supported by a new set of drivers specifically designed to implement the different functions and features defined by the spec (at the time of writing this post, it is version 1.1).

- [Radeon Software for Linux 19.20 Brings RHEL 8.0 Support](#) [3]

Quietly released last week was Radeon Software for Linux 19.20, the latest quarterly update to AMD's packaged Linux driver that consists of their AMDGPU-PRO binary driver option as well as the AMDGPU-Open packaged components using a snapshot of Mesa.

Radeon Software for Linux 19.20 only has a sole change listed: Red Hat Enterprise Linux 8.0 support and any other binary compatible downstream like the yet-to-be-released CentOS 8.0. That's it in terms of the official changes but should be also pulling in a newer snapshot of Mesa and their binary OpenGL/Vulkan drivers, newer DRM kernel driver code, etc.

- [Konsole and Wayland](#) [4]

Wayland needs a different mindset when you are programming, you cannot just assume things

works the same way as in as X11. One of my first patches to konsole was the rewrite of the Tab Bar, and a different way to deal with Drag & Drop of the tabs. In my mind - and how wrong I was - I could assume that I was dragging to a konsole main window by querying the widget below the mouse. Nope, this will not work. As Wayland has security by default, it will not give you anything global. What if I was a spy app trying to record another one to send to NSA? Security in Wayland is much stricter, and because of that I had to redo my drag & drop patch.

[Graphics/Benchmarks](#)

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Links:

- [1] <http://www.tuxmachines.org/taxonomy/term/148>
- [2] <https://blogs.igalia.com/siglesias/2019/06/18/my-last-vk-gl-cts-work/>
- [3] https://www.phoronix.com/scan.php?page=news_item&px=Radeon-Software-Linux-19.20
- [4] <https://tcanabrava.github.io/2019/06/18/konsole-wayland/>