Kernel: Generic USB Display Driver, Intel P-State Driver and QEMU 5

By Roy Schestowitz
Created 29/04/2020 - 5:16pm
Submitted by Roy Schestowitz on Wednesday 29th of April 2020 05:16:47 PM Filed under Linux [1]

- **Generic USB Display Driver Published For Linux - Allowing Nifty Possibilities With Raspberry Pi, Etc** [2]

  Longtime Linux DRM developer Noralf Trønnes has written a new driver for Linux to serve generic USB display purposes. This driver was written following his idea of turning a Raspberry Pi Zero into a USB to HDMI display adapter.

  The Generic USB Display Driver is a generic solution for using the likes of the Raspberry Pi SBCs into converting them into makeshift USB display adapters via a new USB host driver and a device/gadget driver. Noralf noted, "The reason for calling it 'Generic' is so anyone can make a USB display/adapter against this driver, all that's needed is to add a USB vid:pid. I was hoping to have someone working on a microcontroller based USB display by now, but unfortunately that has been delayed. It would have been nice to have a microcontroller implementation to ensure that I haven't made things unnecessary difficult to implement."

- **New Intel "Adaptive" P-State Frequency Governor Volleyed For Better GPU-Bound Efficiency** [3]

  The Intel P-State driver has been going through a number of improvements recently including transitioning to the "Schedutil" governor by default on some systems so far in this governor making use of scheduler utilization data. But Intel's graphics team meanwhile has been working on P-State changes to improve the GPU-bound energy efficiency and that is now spun as a new "adaptive" governor.
QEMU 5.0 is out today for this processor emulator that is a key piece to the Linux virtualization stack.

Source URL: http://www.tuxmachines.org/node/136979

Links: