

Kernel: FWUPD/LVFS, Intel/DG1, and More

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[LVFS Serves Up 2+ Million Firmware Downloads In The Past Month - Phoronix](#)[2]

The Linux Vendor Firmware Service (LVFS) in conjunction with FWUPD for offering easy-to-deploy firmware updates on Linux continues its meteoric rise.

The past few years LVFS/FWUPD has enjoyed growing adoption by hardware vendors for providing firmware updates to Linux users from various peripherals to motherboard UEFI firmware updates. LVFS/FWUPD has been instrumental in establishing the firmware updating ecosystem on Linux.

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[The Current State Of Intel Discrete Graphics On Linux: Almost "Fully Functional" - Phoronix](#)[3]

Along with bringing up DG2/Alchemist graphics card support on Linux, Intel engineers have been working to square away their support for the DG1 developer graphics card. This week thanks to XDC2021 is a fresh status update about what is working with this initial Intel graphics card on their open-source driver and what remains in the works.

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[The Increasing Importance Of ACPI Platform Profiles With Today's Throttle-Happy Hardware - Phoronix](#)[4]

As covered several times going back to the end of last year, ACPI Platform Profile support has materialized in recent versions of the Linux kernel for the core infrastructure and implementations that work with the latest laptops from the likes of Dell, Lenovo, ASUS, and HP. This platform profile support is becoming increasingly important with expressing your power/cooling/performance preference so that your laptop behaves as one would expect.

While it would be nice to have a modern, slim notebook that can run at full-speed without throttling so quickly, that unfortunately is increasingly rare with today's processors and vendors going for increasingly thin designs that means compromising thermals. Plus with today's increasingly complicated processors and Intel SoCs requiring ThermalD and now with ACPI platform profiles becoming necessary, it has rather complicated the Linux support.

- [Intel's PSH ISHTP Driver Readied On Linux For Systems Wanting To Forego A Traditional EC - Phoronix](#) [5]

It looks like Intel's ISHTP_ECLITE driver will be ready for mainlining in Linux 5.16 as a driver for newer systems skipping out on a traditional embedded control (EC) and instead using this EC-like IP as part of their Programmable Service Engine subsystem.

This driver allows accessing the Intel Programmable Service Engine (PSE) using the Integrated Sensor Hub Transport Protocol (ISHTP) beginning with Intel's Elkhart Lake platform.

[Linux](#)

Source URL: <http://www.tuxmachines.org/node/155757>

Links:

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