

Kernel: Microsoft E.E.E. Against Mesa (DirectX, Vista Service Pack 10/11) and HP OMEN Laptops

By *Roy Schestowitz*

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- [Microsoft Adds An EGL Implementation To Mesa For Windows](#) [3]

Microsoft is increasingly investing in Mesa as part of working on their Windows Subsystem for Linux graphics support as well as also getting OpenGL and OpenCL working on Windows implemented over Direct3D 12. In fact, Microsoft is one of the gold sponsors for this week's X.Org Developers' Conference (XDC2021).

- [HP OMEN Laptops To Be Better Supported With Linux 5.16 - Phoronix](#) [4]

HP's higher-end "OMEN" laptop series is set to see better support with the next kernel cycle.

While just missing out on the Linux 5.15 merge window, one of the early changes queued up so far this week in any of the "-next" branches is the x86 platform drivers picking up HP OMEN laptop support within the HP WMI driver.

- [Orange Publishes An In-Kernel eBPF-Powered Cache - Can Speed Up Memcached By ~18x - Phoronix](#) [5]

French telecommunications giant Orange has published "BMC" as the (e)BPF Memory Cache providing a cache focused on memcached usage within the Linux kernel.

Orange's open-source BPF Memory Cache allows for handling memcached requests before the standard network stack and is said to be crash-safe and this module requires no other kernel modules. Additionally, the memcached user-space software itself can run unmodified atop BMC.

[Linux Microsoft](#)

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[2] <http://www.tuxmachines.org/taxonomy/term/62>

[3] https://www.phoronix.com/scan.php?page=news_item&px=Microsoft-Mesa-EGL-Windows

[4] https://www.phoronix.com/scan.php?page=news_item&px=HP-OMEN-Linux-5.16

[5] https://www.phoronix.com/scan.php?page=news_item&px=Orange-BPF-Memory-Cache-BMC