

Linux Foundation and Intel: Confidential Computing Consortium, OpenGL 4.6 Support For Mesa 19.2 and More

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- [New Cross-Industry Effort to Advance Computational Trust and Security for Next-Generation Cloud and Edge Computing](#)[3]

The Linux Foundation today announced the intent to form the Confidential Computing Consortium, a community dedicated to defining and accelerating the adoption of confidential computing. Companies committed to this work include Alibaba, Arm, Baidu, Google Cloud, IBM, Intel, Microsoft, Red Hat, Swisscom and Tencent.

Across industries computing is moving to span multiple environments, from on premises to public cloud to edge. As companies move these workloads to different environments, they need protection controls for sensitive IP and workload data and are increasingly seeking greater assurances and more transparency of these controls. Current approaches in cloud computing address data at rest and in transit but encrypting data in use is considered the third and possibly most challenging step to providing a fully encrypted lifecycle for sensitive data. Confidential computing will enable encrypted data to be processed in memory without exposing it to the rest of the system and reduce exposure for sensitive data and provide greater control and transparency for users.

- [The Linux Foundation, Intel & Co Form The Confidential Computing Consortium](#)[4]

In kicking off the Open Source Summit that has returned to San Diego, the Linux Foundation has announced the formation of the Confidential Computing Consortium in collaboration with Intel and other companies.

The initial batch of companies forming the Confidential Computing Consortium include Alibaba, Arm, Baidu, Google Cloud, IBM, Intel, Microsoft, Red Hat, Swisscom, and Tencent. This consortium will focus on providing greater transparency and control over user data, reduce exposure to sensitive data, and other protections by means of open-source tooling and hardware advancements around trusted execution environments.

- [Intel's OpenGL Linux Driver Now Has OpenGL 4.6 Support For Mesa 19.2](#) [5]

Two years after the OpenGL 4.6 specification was announced, Intel's open-source OpenGL Linux driver is now officially advertising the support after today landing the remaining SPIR-V enablement work.

For the better part of the past two years the Intel OpenGL Linux drivers were held up from having GL 4.6 due to the ARB_gl_spirv / ARB_spirv_extensions extensions for better interoperability with Vulkan. But today those extensions are now crossed off the list and OpenGL 4.6 is finally in Mesa core with Intel's i965/Iris drivers being the first.

- [Intel Launches 10th Gen "Comet Lake" Laptop CPUs For Laptops & 2-in-1s](#) [6]

Earlier this month Intel announced 11 Icelake CPUs for laptops and 2-in-1s under their 10th Gen CPU line-up. Today the company announced the 10th Gen Comet Lake CPUs also for 2-in-1s and laptops.

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[3] <https://www.linuxfoundation.org/press-release/2019/08/new-cross-industry-effort-to-advance-computational-trust-and-security-for-next-generation-cloud-and-edge-computing/>

[4] https://www.phoronix.com/scan.php?page=news_item&px=Confidential-Computing-Co

[5] https://www.phoronix.com/scan.php?page=news_item&px=OpenGL-4.6-Mesa-19.2-Intel

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