# Linux Latest and Zephyr Project in Linux Foundation

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- **Intel Posts Initial Code For x86 User Interrupts On Linux - Shows Great Performance Potential - Phoronix**[2]

  In addition to the big Advanced Matrix Extensions support still being in flux and the kernel-side AMX code not yet being merged, another feature of next year's Xeon "Sapphire Rapids" that we are only now seeing in early published form for the Linux kernel is handling of x86 user interrupts.

  Going back to last year Intel disclosed user interrupts with the new UIRET instruction. The x86 User Interrupts functionality is premiering with Sapphire Rapids processors. A few minutes ago the initial Linux kernel code for x86 User Interrupts was finally published under a "request for comments" flag on the Linux kernel mailing list.

- **FUTEX2 System Call Updated To Work On ARM - Phoronix** [3]

  While Linux 5.15 has many new features and improvements, one of the patch series we have been eager to see land is the work introducing the new FUTEX2 system call. FUTEX2 can help improve the performance of newer Windows games running on Linux via Wine / Steam Play's Proton by better matching the Windows kernel behavior, but while it didn't land for Linux 5.15, at least a new version of the patches were posted.

- **Antmicro Doubles Down on Commitment to the Zephyr Project as Community Grows to More Than 1,000 Contributors**[4]
  **[Ed: The so-called 'Linux' Foundation promotes operating systems that compete with Linux and are from proprietary software companies]**

On the heels of its 5th anniversary and inaugural Developer Summit, the Zephyr? Project today announces a major milestone with more than 1,000 contributors and 55,000 commits. Zephyr, an open source project at the Linux Foundation that builds a safe, secure and flexible real-time operating system (RTOS) for resource-constrained devices, also welcomes Antmicro as a Platinum member and Wind River as a Silver member.

[Linux](#)

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[4] https://linuxfoundation.org/press-release/antmicro-doubles-down-on-commitment-to-the-zephyr-project-as-community-grows-to-more-than-1000-contributors/