

# Intel allows virus scans on GPUs to run faster and improve battery life

The virus scan will be performed on the GPU instead of the CPU.

Intel is planning to allow virus scanning tools to use their graphics chipsets to scan. This change will help improve speed and usage time on some devices. 'With **Accelerated Memory Scanning** , virus scanning will be done by GPU graphics processors, allowing for more scans, while reducing the impact on power speed and consumption,' said Rick Echevarria, vice president of security. confidential at Intel said. "The first benchmark on Intel's test system showed that CPU usage dropped from 20% to 2%."

Intel 's **Threat Detection Technology** vulnerability **detection technology** will be available on Intel 6, 7 and 8 processors, allowing multiple machines to take advantage by moving virus scans from the CPU to the GPU. Currently virus scanning is performed on the CPU to detect memory-based attacks, but so the machine speed will be affected.

Intel hopes to move this activity from the CPU to the GPU, which can speed up the machine as well as reduce power consumption, especially with many machines not fully exploiting the power of the graphics card.



*The virus scan will be transferred to Intel by GPU instead of running on CPU as before*

Currently Intel is partnering with Microsoft to support this new feature, which will be available on the Windows Defender Advanced Threat Protection (ATP) this month. Intel is also working with other antivirus software vendors to apply this change.

Last month, Intel revealed it would redesign the processor to prevent attacks like Specter. **Intel Security Essentials** will have Secure Boot and hardware protection for applications from being attacked. These changes are fed directly into the chip, 'minimizing the impact of security on machine speed', Intel said.

Current Specter security updates, in some cases, will affect machine speed but in the future it should not be. 'When launching new products to market, we want to make sure they bring the speed that people expect,' CEL Intel Brian Krzanich said last month. 'Our goal is not only the speed but also the best security.'

See more:

1. Overview of vulnerabilities on Intel, AMD, ARM chips: Meltdown and Specter
2. All you need to know about mobile processors
3. What is the CPU?

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