

An update on perfmon and the struggle to get into the Linux kernel

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At CHEP2007 we reported on the perfmon2 subsystem as a tool for interfacing to the PMUs (Performance Monitoring Units) which are found in the hardware of all modern processors (from AMD, Intel, SUN, IBM, MIPS, etc.).

The intent was always to get the subsystem into the Linux kernel by default. The talk will report on how progress is now being made (after long discussions) and also show the latest additions to the subsystems.

In a second part the speaker will discuss the evolution of the hardware with special emphasis on new capabilities that are available in the most recent x86 processors on the market. Examples will be shown using standard HEP benchmarks as well as SPEC2006 benchmarks.

Presentation type (oral | poster)

Oral

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