

# Re: Performance analysis of Linux Kernel Markers 0.20 for 2.6.17

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*Source:* <http://linux.derkeiler.com/Mailing-Lists/Kernel/2006-09/msg09131.html>

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  - *Date:* Sat, 30 Sep 2006 12:02:13 -0700
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On Sat, 2006-09-30 at 14:01 -0400, Mathieu Desnoyers wrote:

Hi,

Following the huge discussion thread about tracing/static vs dynamic instrumentation/markers, a consensus seems to emerge about the need for a marker system in the Linux kernel. The main issues this mechanism addresses are:

- Identify code important to runtime data collection/analysis tools in tree so that it follows the code changes naturally.
- Be visually appealing to kernel developers.
- Have a very low impact on the system performance.
- Integrate in the standard kernel infrastructure : use C and loadable modules.

The time has come for some performance measurements of the Linux Kernel Markers, which follows. I attach a PDF with tables and charts which condense these results.

Has anyone done any performance measurements with the "regular function call replaced by a NOP" type of marker?

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