

## Re: BOOT\_CS

**Source:** <http://linux.derkeiler.com/Mailing-Lists/Kernel/2004-02/6139.html>

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To: [linux-kernel@vger.kernel.org](mailto:linux-kernel@vger.kernel.org)

- > *H. Peter Anvin writes:*
- > > *Eric W. Biederman wrote:*
- > > *for those folks who want to place their ramdisk as low*
- > > *in memory as possible?*
- > *The problem is that you don't know until it's too late, since it can*
- > *depend on dynamic factors. This is part of why your insistence of*
- > *putting the ramdisk in the "most incorrect" position is simply wrong.*

The other problem is for the people who want to check the validity of the RAM disk before starting Linux – for instance by checking the CRC32 of the decompressed RAM disk – and stop the boot process before it is too late – i.e. in the bootloader when you can select another kernel version / initrd to load.

You cannot place the decompressed initrd at a maximum address before knowing its decompressed size – the address to place it is the max address (or the end of free RAM) minus ramdisk size if I remember correctly. That is working for so long loading the decompressed initrd after few Mb after the last kernel byte (so that the kernel will move it where it wants – no need to move it twice) that I do not remember the details. Did you changed this part?

Etienne.

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